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United States Department of Agriculture

Soil Conservation Service

Salt Lake City Utah



in Cooperation with Utah State Department of Natural Resources





TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

ie.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchroag Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
I daho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Inventigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1%5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

WATER SUPPLY OUTLOOK FOR UTAH

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

issued by

PETER C. MYERS

CHIEF
SOIL CONSERVATION SERVICE
WASHINGTION, D.C.

Released by

FRANCIS T. HOLT

STATE CONSERVATIONIST SOIL CONSERVATION SERVICE SALT LAKE CITY, UTAH

in Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

DEE C. HANSEN

State Engineer

Division of Water Rights

Division of Water Resources

Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

Soli Conservation Service 125 So. State, Fed. Bidg. P.O. Box 11350 Salt Lake City, Utah 84147

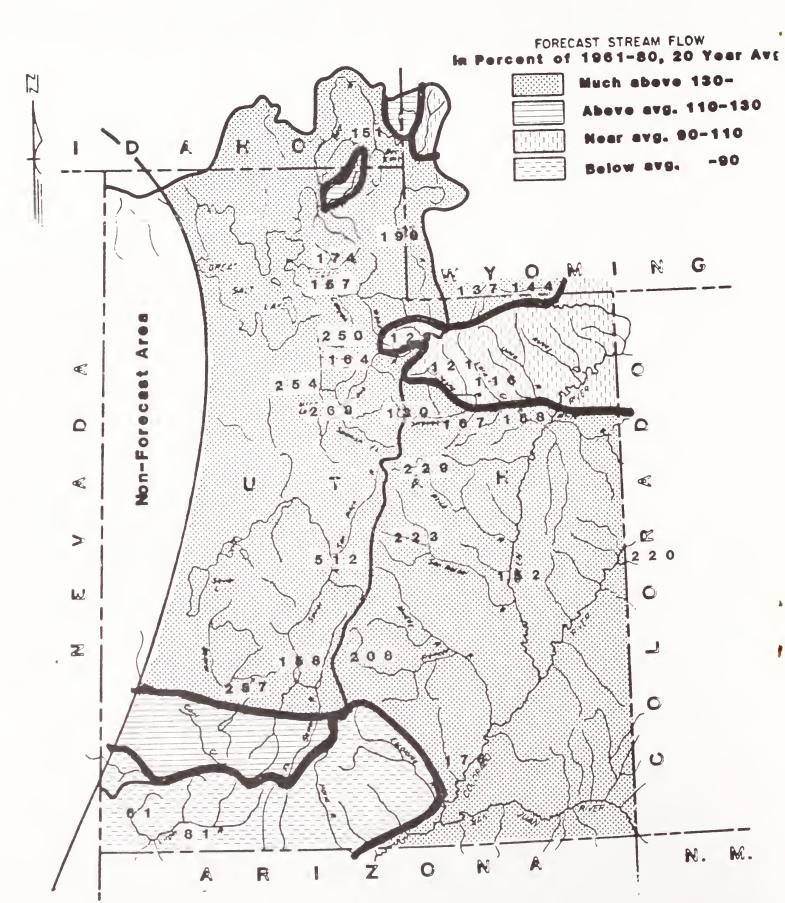
PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

May 1, 1984

Approximate Date

5 5 5 6 5 7 7 8 5 5 5



As of May 1, 1984

SNOW COVER

Snow measurements taken the last week of April show heavy increases to the snow pack in a band between Beaver to Fillmore and East through Fishlake and Salina. Courses in this band increased as much as 12.6 inches of water content when normally they would have lost as much as 3 inches during the month. Many snow courses have set new maximum May 1 water content readings especially in the central part of the state. Basin snow pack percentages are now as follows: Upper Bear 119%, Lower Bear 150%, Logan 135%, Ogden 148%, Weber 144%, Duchesne 122%, Provo 127%, Utah Lake 152%, Tooele Valley 229%, Price 174%, San Rafael 184%, Muddy 163%, Fremont 300%, Beaver 177%, Upper Sevier 131%, Lower Sevier 226%, Coal Creek 69%, Virgin River 67%, LaSal Mountains 178%, and Blue Mountains 96% of the May 1 average.

PRECIPITATION

Precipitation at mountain stations during April ranged from 50 to 90% of average in Northern Utah and Uintah Basin to as high as 245% in the Central part of the state above Fillmore.

SOIL MOISTURE

Watershed soils are generally wetter than average and wetter than last year except in the extreme southern part of the state on the Virgin, Upper Sevier, and Blue Mountain areas.

RESERVOIR STORAGE

Storage in 28 key irrigation reservoirs is now 123% of the May 1 average and 92% of useable capacity. Many reservoirs have been drawn down in northern Utah to provide space for spring runoff. Utah Lake is now 3.89 feet over compromise and Great Salt Lake is 4208.1 feet above mean sea level.

WATER SUPPLY OUTLOOK (continued)

STREAMFLOW FORECASTS

Streamflow forecasts for the May-July period now range from 61% of average for Santa Clara River to five to nine times average on the Lower Sevier.

Delayed melt again this year has generally caused May-July forecast percentages to increase except on the Bear, Duchesne, and Virgin Rivers.

Forecast ranges by basin are as follows: Bear, 102% for Smith's Fork to 196% for Big Creek; Ogden, 159% for South Fork to 174% for Pineview Inflow; Weber, 129% for Oakley to 226% for East Canyon; Utah Lake-Jordon River, 147% for Little Cottonwood to 280 for Emigration Creek; Tooele Valley, 147% for South Willow to 306% for Vernon Creek; Duchesne, 107% for Yellowstone to 188% for Duchesne at Myton; Price River, 220% for Gooseberry Creek to 229% for Scofield Inflow; San Rafael, 213% for Huntington Creek to 223% for Cottonwood Creek; Muddy Creek 200%, Seven Mile Creek 208%; Main Stem Colorado, 152% for Green at Green River to 220% for Colorado at Cisco; 137% for San Juan at Bluff; Sevier River, 112% at Hatch to 921% for Vermillion to Gunnison; Beaver River, 257% at Beaver to 416% for Minersville Inflow; Virgin River, 61% for Santa Clara to 81% for Virgin at Hurricane; 123% for Coal Creek for the May-July period.

High peak flows can be expected on the Lower Sevier-San Pitch, Beaver, Chalk Creek, Price, San Rafael, Fremont, Utah Lake tributaries, along the Jordan River, and Tooele valley streams.

Utah Lake is expected to rise to 5 to 6 feet above compromise again this year and Great Salt Lake is forecast to peak between 4208.8 and 4209.5 feet in elevation.

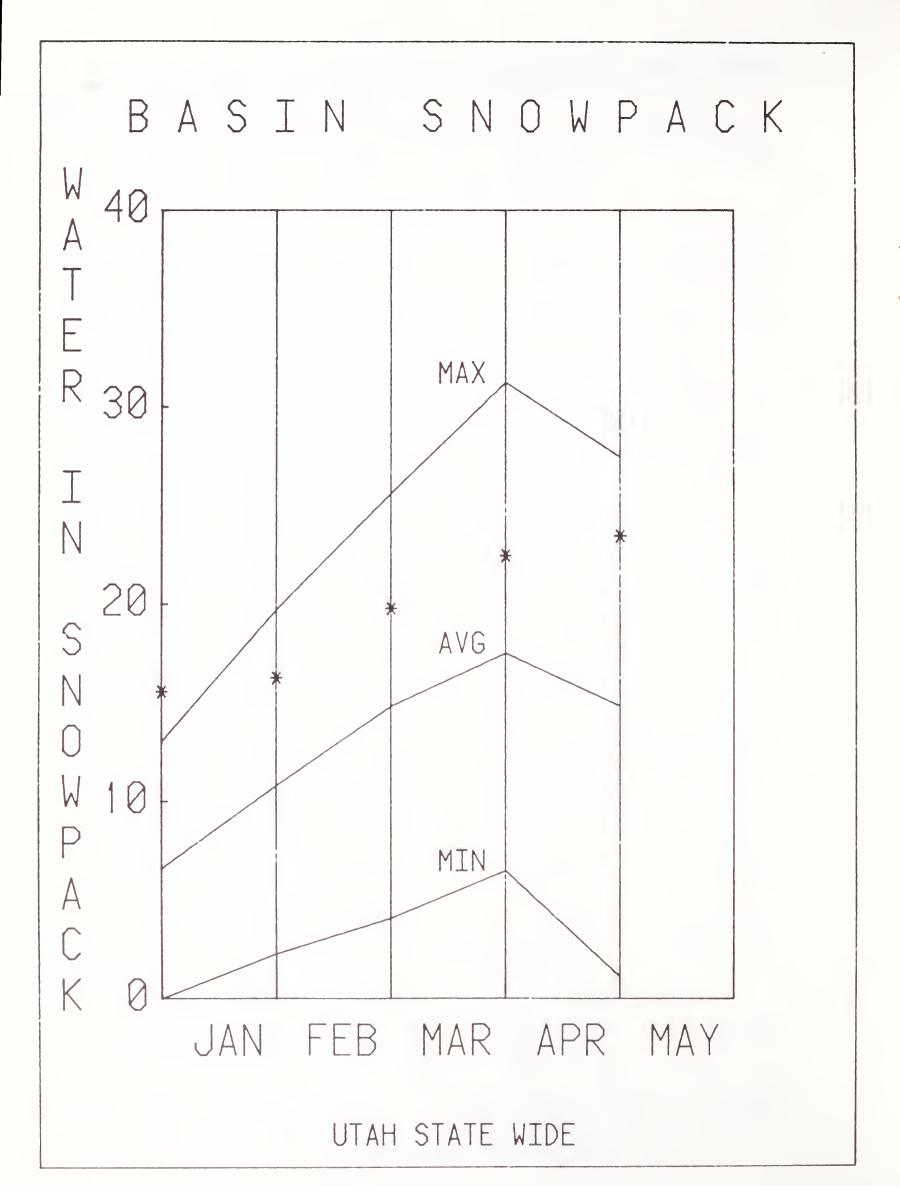
Property owners near stream channels or these lakes should take precautions to protect property as much as possible to prevent damage.

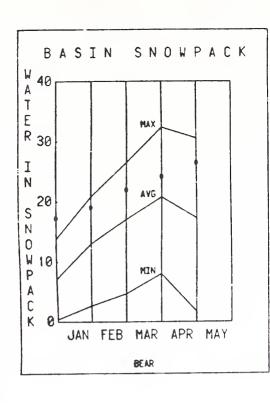
RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

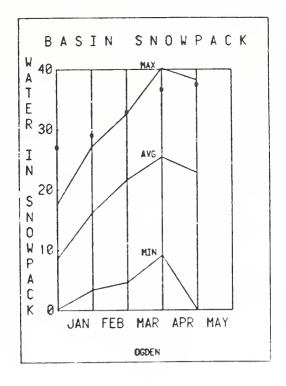
Basin or Stream	RESERVOIR	Usable Capacity	This Year	Usable Storage	Average †
CDEAT DACIN			This Year	Last Year	Average I
GREAT BASIN Bear River	Bear Lake Woodruff Narrows Woodruff Creek	1421.0 55.8 3.5	1111.2 35.0 ^a 3.5	1106.4 55.8 3.5	1054.1
Beaver River	Minersville (RkyFd)	26.0	21.1	23.5	14.6
Little Bear Ogden	Hyrum Porcupine Causey Pineview	15.3 11.3 6.9 110.1	10.9 8.1 0.8 53.8	10.8 11.9 1.8 83.3	13.2 9.5 ^b 2.6 ^b 76.6
Provo	Deer Creek	149.7	121.2	112.4	106.9
Settlement Creek	Settlement Creek Vernon Creek	1.2	0.8	1.0 0.6	0.9 ^b 0.6 ^b
Sevier River	Gunnison Otter Creek Piute Sevier Bridge Panguitch Lake	18.2 52.5 71.8 236.0 22.3	13.8 48.9 58.6 212.1 21.7	17.1 34.5 71.4 227.6 21.8	14.9 ^b 39.5 44.7 136.0
Spanish Fork	Strawberry	270.0	270.0	263.4	156.0
<u>Utah Lake</u>	Utah Lake	883.9	1287.9	1164.5	766.8
Weber	East Canyon Echo Lost Creek Rockport Willard Bay	48.1 73.9 20.0 60.9 193.3	27.9 31.1 7.7 25.7 135.8	39.6 40.2 15.2 32.4 161.1	41.5 ^b 54.2 14.3 ^b 36.8 168.0
COLORADO R. BASIN Ashley Creek Colorado Green	Steinaker Red Fleet Blue Mesa Lake Powell Flaming Gorge	33.3 26.0 829.5 25002.0 3749.0	25.7 18.0 220.7 21067.0 3067.4	27.2 20.7 434.6 22782.0 3248.6	23.0 ^b
Lakefork Price River	Moon Lake Scofield	35.8 65.8	30.0 28.0	33.2 37.6	18.1 36.6
San Juan	Navajo Ken's Lake	1696.0 2.3	1370.0	1316.8	
San Rafael	Huntington North Joe's Valley Mill Site	3.9 54.6 16.7	3.6 25.5 14.6	3.6 33.9 15.5	3.9b 46.8b 6.3b
Strawberry	Currant Creek Starvation Soldier Creek	15.5 165.3 951.4	4.9 128.2 68.5	117.5 41.4	113.5 ^b
Uintah	Bottle Hollow	11.3	11.3	11.0	10.6 ^b

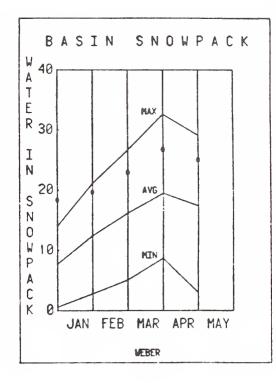
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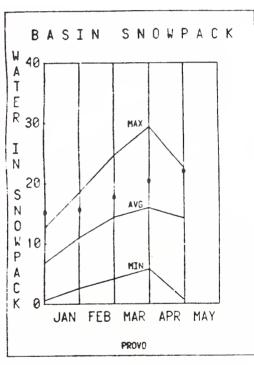
a - Partly estimated
 b - Average of past record in average period - less than 20 years
 + - 1961-80 20 year average period

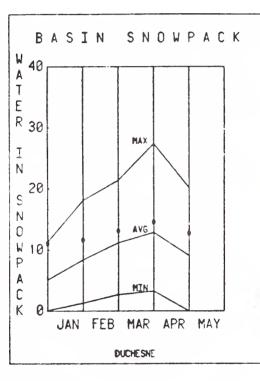


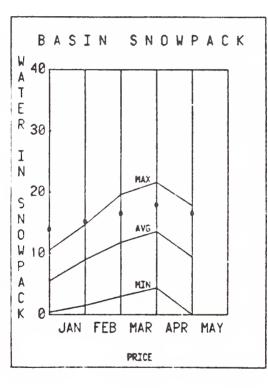


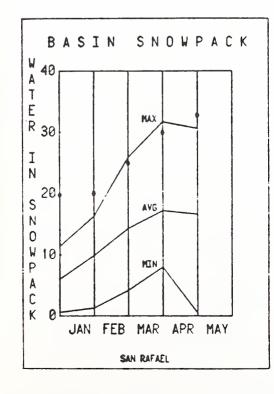




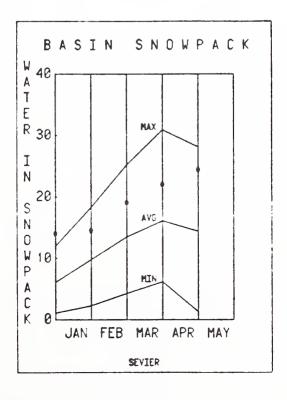


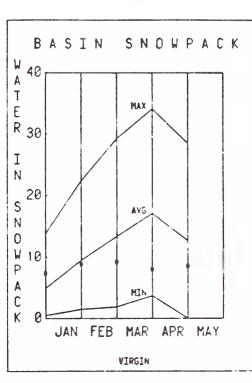






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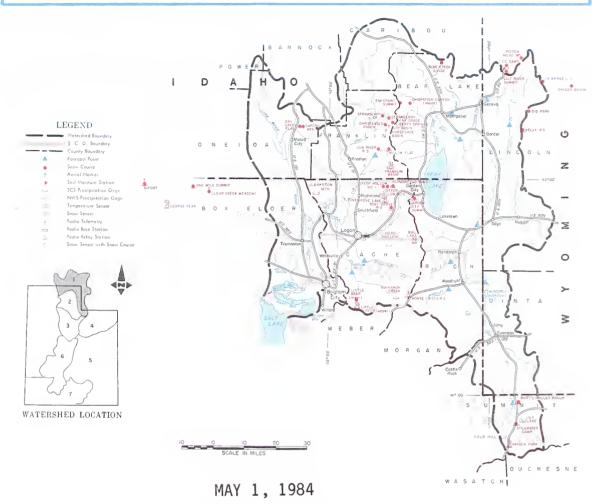






BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 119% of the May 1 average on the Upper Bear to 150% on the Lower Bear. Logan River is 135% of average.

PRECIPITATION at mountain stations ranged from 57% of the April average at Hayden Fork to 106% at Garden City Summit.

SOIL MOISTURE is well above average and wetter than last year.

RESERVOIR STORAGE has been reduced to make room for runoff. All reservoirs are expected to fill as runoff progresses.

STREAMFLOW FORECASTS range from 102% for Smith's Fork to 196% for Big Creek for the May-July period. The Bear is forecast 144% at State Line, 190% at Woodruff, 211% at Randolph and 151% at Harer. Woodruff Creek is forecast 139% of average. Logan River is forecast 121%, Blacksmith Fork 153%, Little Bear 148% and Cub River 147% of the April-July average.

Peak flows are expected to range from about 15 to 20% above average on the Logan to about twice average on Big Creek. Precautions should be taken to protect property along stream channels.

R 1981 M7-OL-22027

REAMFLOW FORECASTS		THIS YEA	•	PAST	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH I	PREVIOUS YEARS!		
BASIN, STREAM and/ # FORECAST POINT	FORE Thousand	Parson of	PORTCAST	Lest Year 3		RIVER BASIN and at SUB-WATERSHED	Number of Cauties Averaged	THIS YEAR AS	A PERCENT OF
BASIN, STREAM BID & PORECAST POINT	Acre Feer	Average	PERIOD	CHITTEDS	V.d.afa				
BEAR RIVER						BEAR RIVER	19	119	142
Bear nr UT-Wyo. State Line Bear nr Woodruff 1/	151 220		May-July May-July	ł .	105 116	UPPER BEAR RIVER	6	104	119
Woodruff Crk nr Woodruff, UT Big Creek nr Randolph, UT	21	139	May-July May-July	28	15.1 ^b 4.4 ^a	LOWER BEAR RIVER	13	124	150
Bear nr Randolph 1/ Thomas Fork nr ID-WY State Ln Smith's Fork nr Border, WY Bear at Harer, Idaho 1/ Logan nr Logan 1/	170	211 115 102 151	May-July Apr-Sept Apr-Sept Apr-Sept May-July	262 688	82 35 119 310 101	LOGAN RIVER	7	114	135
Blacksmith Fork nr Hyrum Little Bear nr Paradise Cub River nr Preston, ID	58 38 63	153 148	May-July May-June May-July	74 <i>°</i> 72	38 26 43	1 - Observed flow corrected for 2 - Inflow record as computed to 3 - Provisional flows - Subject a - Partly estimated b - Average of all past record e - Maximum mean daily peak flow + - 1961-80 20 year Average Per * - Forecast in cooperation with	y U. Š. to Corr - less t	Bureau of Re ection an 20 years	clamation

ESERVOIR STORAGE (TI	rousand Acre Feet)					PEAK FLOWS		
			USEABLE STORAGE FORECAST PORT			PEAK PLOW (SECON	ID PEET)	
BASIN OR STREAM	RESERVOIR	U spaint is Casp occity	This Year	Lest Year	Avwaga†	PDRECAST POINT	Forecasti Range	Average +
BEAR RIVER	Bear Lake Woodruff Narrows Woodruff Creek	1421.0 55.8 3.5	1111.2 35.0a 3.5	1106.4 55.8 3.5	1054.1	Bear nr. UtWyo. Stateline Woodruff Creek nr Woodruff Big Creek nr Randolph	2040-2420 300-440 80-120	1506 253 48b
LITTLE BEAR	Hyrum Porcupine	15.3 11.3	10.9 B.1	10.8 11.9	13.2 9.5 ^b	Logan River nr Logan Little Bear nr Paradise	960-1260 560-B80	980 519

WONS		THIS YEAR		PAST	RECORD	SNOW		THIS YEAR		PAST	ECORD
DRAINAGE BASIN and/w SNOW COURSE	Dare	Snow Death	Manar Cantoni	Beter Cont	ant (Inches)	DRAININGE BOSIN and at SHOW COURSE	Dore	See Des	Weser Cantent	Bert Cent	ant (Inches)
NAME	al Survey	(Inches)	(Inches)	Lest Year	Avwaga †	N APIE	of Survey	(inches)	(Inches)	Last Your	Average
Burts-Miller Ranch Cub River R.S. Emigrant Summit Franklin Basin Garden City Summit Hayden Fork Klondike Narrows	4/28 4/27 4/30 4/27 4/27 4/28 4/27	12 14 81 79 57 46 50	4.2 5.1 33.4 33.6 20.8 18.2 23.0	4.2 0.0 30.2 30.2 18.5 18.2 20.2	2.4 0.1 23.6 20.7 ^a 17.4 16.2 15.6	Little Bear Lower Little Bear Upper Monte Cristo Salt River Summit Stillwater Camp Tony Grove R.S.	4/24 4/24 4/24 4/26 4/28 4/27	18 32 69 46 30 27	7.9 14.5 29.8 15.8 10.6 11.3	3.3 8.5 27.8 15.2 11.0 6.9	1.5 5.4 26.8 14.5 8.4 3.1

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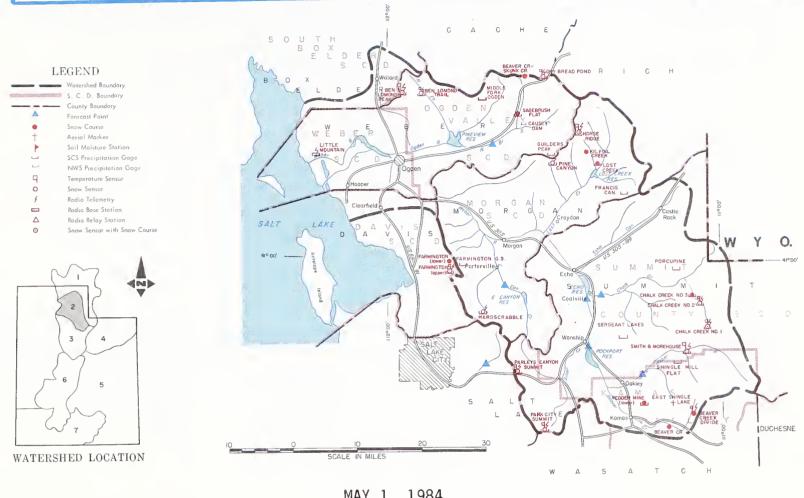
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WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1984

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE TO WELL ABOVE AVERAGE

SNOW COVER is now 148% of the May 1 average on Ogden Basin and 144% on Weber Basin. Last year at this time it was 142% and 114% respectively.

PRECIPITATION at mountain stations ranged from 39% of the April average at Sagebrush Flat to 94% at Parleys Summit.

SOIL MOISTURE is above average and wetter than last year.

RESERVOIR STORAGE was drawn down to make room for peak run-off and is now 54% of capacity, 71% of the May 1 average, and 25% less than last year at this time.

STREAMFLOW FORECASTS have increased 5 to 28% and now range from 129% of the May-June average at Oakley to 226% for East Canyon. All forecasts are for less volume than occurred last year in the May-June period. The South Fork Ogden is forecast 159% and Pineview Inflow 174%.

Weber River is forecast 133% at Rockport Reservoir, 137% at Coalville, 152% for Echo Inflow and 167% at Gateway. Chalk Creek is forecast 183%, Lost Creek 214%, East Canyon 226% and Hardscrabble 155% of the May-June average.

Again this year the late melt is expected to cause higher than average peak flows and property along stream channels should be protected as much as possible.

WEBER-OGDEN WATERSHEDS IN UTAH

TREAMFLOW FORECASTS		THIS YEA		THOUSAND A	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH I			
BASIN, STREAM and/or PORECAST POINT		Parcent of	PORECAST	Lest Year 3		RIVER BASIN and or SUB-NATERSHED	Number of Courtes		A PERCENT OF
But, structure a roncough rough	Thousand Acro Foot	Average	PERIOD	Castrany	v.e.ele .		Averaged	Laster	Average
HEBER-OGDEN RIVERS						OGDEN RIVER	5	130	148
Weber nr Oakley	120	129	May-June	138	93	WEBER RIVER	12	105	144
Rockport Reservoir Inflow 1/	128	133	May-June	154	96	İ	1		
Chalk Creek at Coalville	53	183	May-June	58	29				
Weber nr Coalville 1/	134	137	May-June	167	98				
Lost Creek nr Croydon, UT 1/	24	214	May-June	34	11.2		1		
East Canyon Creek nr Morgan 1/	37	226	May-June	43	16.3		1		
Hardscrabble Crk nr Portervill	22	155	May-June		14.10		1		
S. Fork Ogden nr Huntsville1/	65	159	May-June	81	41a	1 - Observed flow corrected for	change fi	storage an	diversion
Pineview Reservoir Inflow 17	129	174	May-June	161	748	2 - Inflow record as computed by			amation
Echo Reservoir Inflow 2/	182	152	May-June	190	120	3 - Provisional flows - Subject	to Corre	tion	
Weber at Gateway 1/	374	167	May-June	474.	224	a - Partly estimated			
_						b - Average of all past record -		n 20 years	
ORDAN RIVER & SALT LAKE						e - Maximum mean daily peak flow			
Farmington Crk nr Farmington	11.4	170	May-July	[6.7D	+ - 1961-80 20 year Average Peri			
						* - Forecast in cooperation with	Nationa	Weather Se	rvice
					1				

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PΓ	A K	FI	nwc	-

		llands.	V	SEABLE STORA	GE		PEAK PLOW (SECON	DFEETI
BASIN OR STREAM	RESERVOIR	Unable Capacity	This Tear	Last Year	Average	PORECAST POINT	Perecast Range	Average
OGDEN	Causey Pineview East Canyon Echo Lost Creek Rockport	6.9 110.1 48.1 73.9 20.0 60.9	0.7 53.8 27.8 31.1 7.8 25.7	1.8 83.3 39.6 40.2 15.2 32.4	2.6 ^b 76.6 41.5 ^b 54.2 14.3 ^b 36.8	South Fork Ogden nr Huntsville Chalk Creek nr Coalville Weber nr Oakley	940-1300 750-1090 1710-2170	763 510 1540

0 W		THIS YEAR		PAST	ECOND	SNOW		THIS YEAR		PAST	ECOAD
DRAINAGE BASIN and/or SNOW COURSE	Dese	Show Depth	Meser Content	Water Cent	ant (inches)	DRAINAGE BASIN mare SHOW COURSE	Dees	Sees Dept	Worder Constant	Water Cans	ant (inches)
NAME	of Survey	(Inahas)	(Inches)	Lest Year	Average †	NA-W	of Survey	(Inches)	(inches)	Less Year	Avwege
Beaver Creek R.S. Beaver Creek-Skunk Creek Ben Lomond Peak Ben Lomond Trail Chalk Creek #1 Chalk Creek #2	4/27 4/24 4/24 4/24 4/27 4/27	13 26 150 49 73 47	5.2 11.5 70.7 24.5 29.0	3.8 10.1 52.1 17.3 29.0	1.7 6.1 38.2 8.1 ^a 24.4	Horse Ridge Lost Creek Reservoir Monte Cristo Parleys Canyon Summit Sagebrush Flat	4/24 4/24 4/24 4/26 4/24	58 0 69 65 0	26.7 0.0 29.8 26.6 0.0	23.1 0.0 27.8 23.2 0.8	20.7 0.0 26.8 13.8
Chalk Creek #3 Dry Bread Pond	4/27	17 52	6.3 25.1	6.4	14.2 2.9 18.2	Smith & Morehouse Trial Lake	4/27 4/28	3/	14.1 31.7ª	13.5	9.1 26.1
										٠	

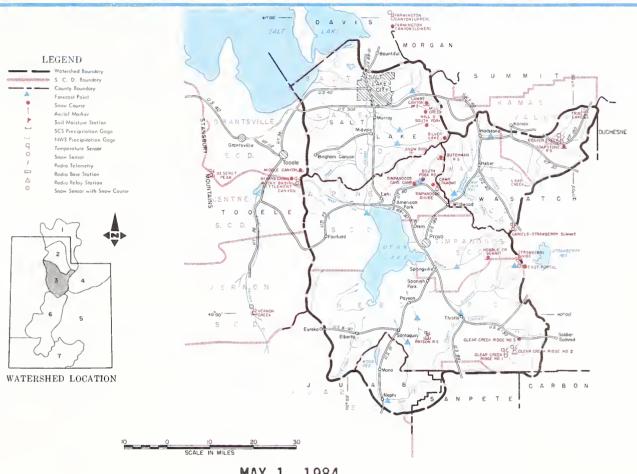
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UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1984

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 127% of the May 1 average on Provo River to 207% in Tooele Valley-Vernon Creek area. Utah Lake drainages are now 152% and Jordan River-Salt Lake Front 176% of the May 1 average.

PRECIPITATION at mountain locations ranged from 81% of the April average at Timpanogos Divide to 172% at Middle Canyon above Tooele.

SOIL MOISTURE is above average and wetter than last year on mountain watersheds.

RESERVOIR STORAGE is above average with Utah Lake 3.89 feet above compromise and Great Salt Lake 4,208.1 feet above mean sea level. Strawberry is full and has been since last May.

STREAMFLOW FORECASTS range from 130% of the May-July period for Strawberry Inflow to 306% for Vernon Creek. Provo River is forecast 160% at Hailstone and 180% below Deer Creek Dam. American Fork is forecast 168%, Hobble Creek 263%, Spanish Fork 273%, Payson Creek 250% and Utah Lake Inflow 268% of the May-July average.

Little Cottonwood is forecast 147%, Big Cottonwood 164%, Mill 235%, Parley's 250%, Emigration 280%, and City Creek 201%. Settlement Creek is forecast 254%, South Willow 147%, and Vernon Creek 306% of the May-July average.

Peak flows are predicted to be $1\ 1/2$ to 3 times average and again this year property along stream channels should be protected as much as possible.

XAS 1983 M7-01 -22027-3

STREAMFLOW FORECASTS		THIS YEA	Y	·	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH F			
BASIN, STREAM and/or PORECAST POINT		Percent of	PORECAST PERIOD	C MAZUOHT	Average +	RIVER BASIN and or SUB-MATERSHED	Number of Courses Averaged	THIS YEAR A	A PERCENT OF
BOM, STREET BID & PORCOAST POINT	Thousand Acra Feet	Average	PERIOD	3					1
PROVO RIVER AND UTAH LAKE						PROVO RIVER & UTAH LAKE	8	98	152
Provo nr Hailstone 1/	150	160	May-July		94				1.75
Provo below Deer Creek Dam1/	175	180	May-July		96	JORDON RIVER & SALT LAKE	8	102	176
American Fork nr American Fk.	47	168	May-July		28				
Hobble Creek nr Springville	35	263	May-July		13.3	TOOELE VALLEY & VERNON CREEK	4	104	207
Strawberry Reservoir Inflow1/	5 6	130	May-July	141	43				
Spanish Fork at Thistle	85	273	May-July		28			1	
Payson Creek nr Payson	11.0	250	May-July		4.4		ł		
Utah Lake Inflow	445	268	May-July	610	166				
JORDON RIVER & SALT LAKE		1							
Little Cottonwood Crk nr SLC	53	147	May-July		36			1	
Big Cottonwood nr SLC	54	164	May-July		33				1
Parley's Creek nr SLC	28	250	May-July	35 ′	11.3	1 - Observed flow corrected for			n d diversion
Mill Creek nr SLC	12.0	235	May-July	12.1	5.0	3 - Provisional flows - subject	to corre	etion	
Emigration Creek nr SLC	7.0	280	May-July	10.4	2.5	a - Partly estimated	1	Į	
City Creek nr SLC	13.5	201	May-July	19.7	6.6	b - Average of past record - le		D years	
TOOELE VALLEY						+ - 1961-80 20 year average per			
Settlement Crk nr Tooele	5.3	254	May-July		2.1 ^b	e - Maximum mean daily peak flo			
S. Willow Crk nr Grantsville	4.0	147	May-July		2.7b	* - Forecast in cooperation wit	Nationa	∏ Weather S	ervice
Vernon Creek nr Vernon	1.6	306	May-June	3.5	0.5 ^b				
	1	r	, ,		, ,	area di ama 9	1	1	1
SERVOIR STORAGE (Thousand Acro Feet)						PEAK FLOWS ^e			

		Hankle	U	SEABLE STORA	GE
BASIN OR STREAM	RESERVOIR	Unable Capacity	This Year	Last Year	Average†
SPANISH FORK	Strawberry	270.0	270.0	263.4	156.0
JTAH LAKE	Utah Lake Settlement Creek Vernon Creek	883.9 1.2 0.6	1287.9 0.8 0.6	1164.5 1.0 0.6	766.8 0.9 0.6
PROVO	Deer Creek	149.7	121.2	112.4	106.9

600-700	Average +
600-700	4.40
650-750 2400-2800 1400-1600 600-700 110-130 350-400 125-150	442 384 2128 451 ^b 329 59 153 75
	1400-1600 600-700 110-130 350-400

WOW		THIS YEAR		PAST	ECORO	SNOW		THIS YEAR		PAST R	ECORO
DRAINAGE BASIN and/or SHOW COURSE	Dete	Snew Depth	Motor Cantoni	Water Cont	ent (Inches)	DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth	Weser Centers	Water Cent	ant (inches)
NAME	of Survey	(Inches)	(Inches)	Lost You	Average †	HAME 0	of Survey (Inch	(Inches)	(Inches)	Last Year	Average †
Bevans Cabin Clear Creek #1 Clear Creek #2 Clear Creek #3 Daniels-Strawberry Summit Deseret Peak Hobble Creek Summit Lambs Canyon #2 Middle Canyon Mill Creek	4/30 4/28 4/28 4/28 4/28 4/30 4/28 4/26 4/30 4/25	68 64 46 2 39 106 40 55 75 73	26.9 27.1 18.6 0.9 16.5 43.3 18.3 21.9 29.7 28.1	24.1 15.9 0.0 19.1 18.2 20.4 23.0 27.4	4.8 17.7 10.5 0.1 9.6 27.0a 7.9 9.8a 9.3 21.1a	Mill D South Fork Parley's Canyon Summit Payson R.S. Rocky Basin-Settlement Canyon Silver Lake Brighton Soapstone R.S. South Fork R.S. Timpanogos Divide Trial Lake Vernon Creek	4/27 4/26 4/24 4/30 4/27 4/27 4/28 4/28 4/29	61 65 68 138 78 31 81 50a 67 44a	25.5 26.6 31.4 55.8 32.9 12.9 T SCHED 22.1 ^a 31.7 ^a 17.6 ^a	35.9 31.4	15.1 13.8 15.5 30.0 28.3 7.1 22.6 26.1 4.3a

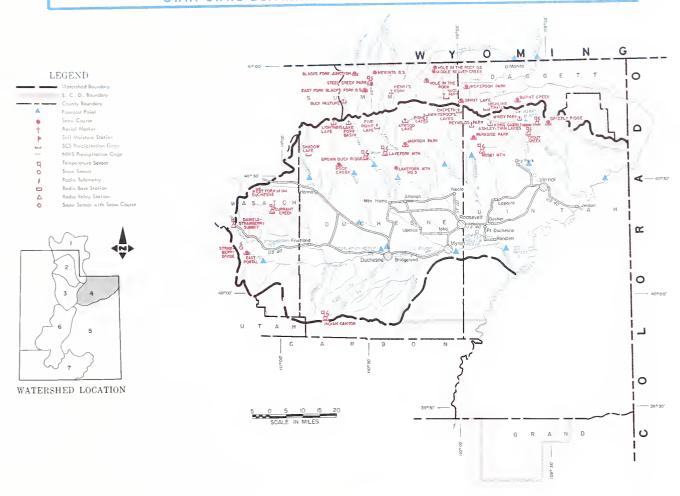
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UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



May 1, 1984

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 94% of the May 1 average for Uintah-Whiterocks drainages to 163% for Strawberry River. Ashley Creek is 124%, Lakefork-Yellowstone 111%, Black's Fork 130% and Sheep Creek 151% of the May 1 average for the 1961-80 period.

PRECIPITATION at mountain stations ranged from 59% of the April average at Daniels Summit to 127% at Grizzly Ridge on the east end of the Uintah Mountains.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS for the May-July period now range from 107% of average for Yellowstone to 188% for the Duchesne at Myton.

The Duchesne River is forecast 121% at Tabiona, 120% at Duchesne and 185% at Randlette. The West Fork is forecast 123%. Strawberry River is forecast 167% at Duchesne, Currant Creek 155%, Rock Creek 114%, Lakefork 116%, Uintah 123% and Whiterocks 129% of average. Henrys Fork is forecast 144% and Black's Fork 137% of average.

If normal temperatures and precipitation occur this melt season, peak flows should not cause many problems. Property should be protected along the lower Strawberry and lower Duchesne Rivers where peaks are expected to be $1\ 1/2$ to $2\ times$ average this season.

All water users in this area are expected to have adequate water supplies this season.

TREAMFLOW FORECASTS		THIS YEA	•	PAST	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH F	PREVIOUS YEARS)		
		CAST	FORECAST	THOUSAND ACRE FEET		RIVER BASIN and or SUB-MATERSHED	Hamber of Courses	THIS YEAR AS A PERCENT O	
BASHI, STREAM and/or PORECAST POINT	Thousand Acre Feet	Parcase of Average	PERIOD	Lest Year	Average +		Averaged	Les Yes	Average
DUCHESNE RIVER						DUCHESNE RIVER - TOTAL	12	68	122
Duchesne nr Tabiona 1/	116	121	May-July	132	96	LAKEFORK-YELLOWSTONE CREEKS	3	71	111
Duchesne at Duchesne 1/	210	120	May-July	278	175	STRAWBERRY RIVER	5	75	163
Strawberry at Duchesne	80	167	May-July	162	48	UINTAH - WHITEROCKS RIVERS	3	61	94
Rock Creek nr Mtn. Home	100	114	May-July		88	ASHLEY CREEK	3	82	124
Currant Creek nr Fruitland	26	155	May-July	49	16.6	BLACK'S FORK	4	98	130
Lakefork below Moon Lake 1/	78	116	May-July		67	SHEEP CREEK	3	88	151
Yellowstone nr Altonah	65	107	May-July		61			1	
Duchesne at Myton 1/	350	188	May-July		186		ł		
Whiterocks nr Whiterock	72	129	May-July	95	56				
Uintah nr Neola	100	123	May-July		81				
Duchesne at Randlett 1/	427	185	May-July	'	231				
West Fork Duchesne at Hanna	30	123	May-July		24	1 - Observed flow corrected for	change 1	h storage ar	d diversion
			1		1 1	2 - Inflow record as computed by	U. S. B	ureau of Rec	lamation
FLAMING GORGE TO DUCHESNE RIVER			i I		1 1	3 - Provisional flows - Subject	to Corre	ction	
Henry's Fork nr Manila	62	144	May-Sept	152	43	a - Partly estimated			1
Black's Fork nr Millburne	119	137	May-July	144	87	b - Average of all past record	less th	an 20 years	
Flaming Gorge Inflow 1/	1245	115	May-July	1936	1080	e - Maximum mean daily peak flow	ŀ		
Ashley Creek nr VernaT	56	114	May-July		49	+ - 1961-80 20 year Average Per	od		
			1			* - Forecast in cooperation with	Nationa	Weather Se	rvice

RESERVOIR STORAGE (Thousand Acre Feet)

		No. and a	U	SEABLE STORA	GE
BASIN OR STREAM	RESERVOIR	U people o Coop-ect by	This Year	Lest Year	Avwagat
ASHLEY CREEK	Red Fleet Steinaker	26.0 33.3	18.0 25.7	20.7 27.2	23.0 ^b
GREEN RIVER LAKE FORK	Flaming Gorge Moon Lake	3749.0 35.8	3067.4 30.0	3248.6 33.2	18.1
STRAWBERRY	Currant Creek Starvation Soldier Creek	14.3 165.3 951.4	4.9 128.2 68.5	117.5 41.4	113.5 ^b

-	me.	AW	P	1.6	100	l se
	PΈ	ЯR	·	LŲ	١.	3

PEAK PLOW (SECO	ND FEET)
Ferecast Range	Average
920-1330	675
850-1350	966
1440-1760	1415
i i	
	920-1330 850-1350

IIINIAH Bottle H	Hollow	THIS YEAR	11.3	11.0 PAST P	10.6
DRAINAGE BASIN and/or SHOW COU NAME	Dere of Survey	Snew Desti (Inches)	Masar Cantant (Inches)	Water Cent	Average †
Brown Duck Ridge Burnt Creek Currant Creek Daniels-Strawberry Grizzly Ridge Hewinta G. S. Hickerson Park Jackson Park Kings Cabin Upper	4/28 4/30 4/28 4/28 4/30 4/28 4/28 4/28 4/28	74 22 12 39 38 43 44 46 36	24.6 5.4 4.5 16.5 11.8 13.6 13.3 14.8 12.2	30.8 6.5 ^a 10.6 19.1 19.2 13.6 12.1 23.4 13.5	20.6 ^a 2.6 ^a 2.5 ^b 9.6 9.3 ^a 10.1 6.1 ^b 15.9 ^a 10.2

IOW		THIS TEAR		PAST	ECOAD	
DRAINAGE BASIN and/ar SNOW COURSE	Dana	Snow Day is	Water Cantent	Water Cantent (Inches)		
N APGE	of Survey	(Inchee)	(Inchee)	Less Year	Average :	
Lakefork Mountain #1	4/28	38	12.6	15.9	12.1	
Mosby Mountain	4/28	35	9.9	15.1	10.5	
Paradise Park	4/28	47	14.3	24.6	14.8	
Rock Creek Ranch	4/28	0	0.0	6.6	1.3b	
Spirit Lake	4/28	58	18.2	23.3	15.6b	
Steel Creek Park	4/28	69	22.5	24.3	18.5b	
Strawberry Divide	4/30	63	23.9	23.9	12.8ª	
Trout Creek	4/28	38	12.1	15.9	9.5a	

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. - Room 4012 Solt Lake City, Utah 841 8

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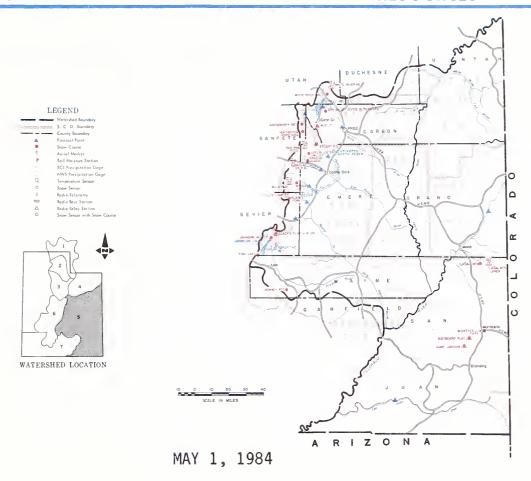
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DEPARTMENT F
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FIRST CLASS MAIL

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 96% of the May 1 average on Blue Mountains above Monticello to 300% on the Fremont River. The Price River is 174%, San Rafael 184%, Muddy 163% and LaSal Mountains 178% of average.

PRECIPITATION at mountain stations ranged from 116% of the April average at Buck Flat to 185% at LaSal Mountain Upper.

SOIL MOISTURE is above average except in the southeast corner of the state.

RESERVOIR STORAGE has been drawn down to make space for runoff in Joe's Valley and Scofield. Mill Site is above average, Ken's Lake is about half full and all reservoirs should fill as runoff progresses.

STREAMFLOW FORECASTS generally increased 6 to 49% for the May-July period and now range from 120% for Navajo Inflow to 229% for Scofield Inflow. Price River is forecast 223% at Heiner, Huntington Creek 213%, Cottonwood Creek 223%, Ferron Creek 218% and Muddy Creek 200% of average. Seven Mile Creek near Fish Lake is forecast 208% of the May-July average and Fremont River is expected to produce better than twice average flows this season. The Colorado River at Cisco is forecast 220%, Green River 152%, Mill Creek near Moab 170% and San Juan near Bluff 137% of the May-July average.

Peak flows are expected to be twice average on Price, San Rafael, Muddy and Colorado Rivers and again this year property along stream channels should be protected as much as possible.

FORT WORTH TEXAS 1083 M7-101

TREAMFLOW FORECASTS		THIS YEAR			RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH P			
BASIN, STREAM and/or PORECAST POINT	FORE Thousand	Parcent of Average	FORECAST PERIOD	THOUSAND /	Average +	RIVER BASIN and or SUB-WATERSHED	Humber of Courtes Averaged	THIS YEAR AS	A PERCENT OF
	Acre Poer	Average .	PERKO			Captor Diver	2	00	174
PRICE RIVER					40.0	PRICE RIVER	3	90	174
Gooseberry Crk nr Scofield	22		May-July		10.0	CAN DAFAEL DIVED	8	97	184
Scofield Reservoir Inflow	76 125		May-July		33 56	SAN RAFAEL RIVER	0	31	104
Price nr Heiner <u>1</u> /	125	223	May-July		20	FREMONT RIVER	3	122	300
SAN RAFAEL RIVER						TREMONT RIVER		1	000
Huntington Crk nr Huntington	94	213	May-July		43b	LASAL MOUNTAINS	2	73	178
Cottonwood Crk nr Orangeville			May-July		43b				
Ferron Creek nr Ferron	74		May-July		34	BLUE MOUNTAINS	2	38	96
MUDDY CREEK					1	MUDDY RIVER	2	88	163
Muddy Creek nr Emery	34	200	May-July	43	16.8				
IDDED COLODADO BACTU						1 - Observed flow corrected for	change	in storage an	d diversi
JPPER COLORADO BASIN Colorado nr Cisco. UT	5805	220	May-July	6368	2638	2 - Inflow record as computed by			
Green at Green River, UT	3945		May-July		2594	3 - Provisional flows - Subject			
Mill Creek nr Moab	8.0		May-July		4.76				
Navajo Reservoir Inflow	695		May-July		540	b - Average of all past record -	less t	han 20 years	1
San Juan nr Bluff, UT	1088		May-July		793	e - Maximum mean daily peak flow			
						+ - 1961-80 20 year Average Per			
FREMONT RIVER						* - Forecast in cooperation with	Nation	al Weather Se	rvice
Seven Mile Crk nr Fish Lake (SERVOHR STORAGE (Thousand Acro Foot)	12.1	208	'May-July	23	5.8b		1	1	1
SERVOIR STORAGE (INCOSANG ACTO FOOT)				BLE STORAG		PEAK FLOWS		PEAK PLOW (SI	

			SEABLE STORA	GI		PEAK PLOW (SECO	ND PEETI
RESERVOIR	Capacity Capacity	This Year	Lost Year	Average †	PORECAST POINT	Forecest Range	Average †
Scoffeld	65.8	28.0	37.6	36.6	Ferron Creek near Ferron Muddy Creek near Emery	860-1010 270-400	444 168
		3.6	3.6	3.9b 46.8b	Huntington Cr. near Huntington	1100-1300	516 ^b
Mill Site	16.7	14.6	15.5	6.3b			
Navajo Kens Lake	2.3	1.2	1.6				
	Scofield Huntington North Joe's Valley Mill Site Navajo	Scoffeld 65.8 Huntington North 3.9 Joe's Valley 54.6 Mill Site 16.7 Navajo 1696.0	Scoffeld 65.8 28.0	Scofield 65.8 28.0 37.6	Scoffeld 65.8 28.0 37.6 36.6	Scofield 65.8 28.0 37.6 36.6	Scoffeld 65.8 28.0 37.6 36.6

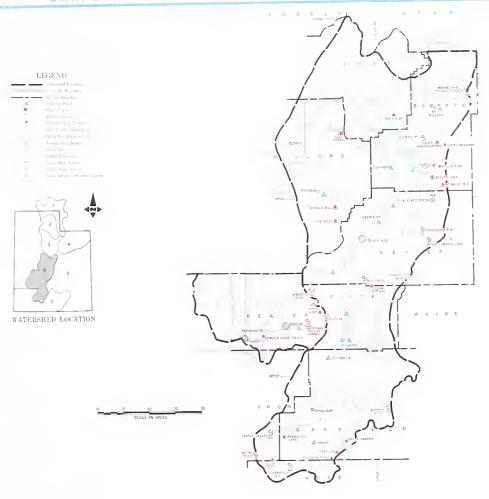
NOW		THIS YEAR		PAST	ECOAD	SNOW	THIS YEAR			PAST	ECOAD
DRAINAGE BASIN and/or SHOW COURSE	Dose	State Depth	Thomas Carrieria	Water Cont	ent (inches)	DRAINAGE BASIN and/or SHOW COURSE	Dane	Show Day &	Wooder Caretons	Recer Can t	and (Inches)
NAME	of Survey	(Inches)	(Inches)	Last Year	Average †	NAME	of Burvey	(inches)	(Inches)	Less Year	Average †
Buck Flat Buckboard Flat Camp Jackson Dills Camp Dry Valley Divide Alternate Huntington-Horseshoe Indian Canyon LaSal Mtn. Upper Mammoth-Cottonwood R.S.	4/25 4/27 4/27 4/24 4/28 4/25 4/28 4/26 4/25	70 28 18 45 32 91 34 72 73	30.2 9.1 6.0 16.5 12.3 40.6 11.7 21.2 32.6	29.6 19.2 20.8 19.4 14.0 45.0 19.7 29.2 35.2	16.6 8.4 7.3 10.9 26.5 ^a 14.2 11.1	Monticello City Park Mud Creek Red Pine Ridge Seeley Creek Stuart R.S. Upper Joe's Valley White River #1 White River #3 Wrigley Creek	4/25 . 4/25 . 4/27 4/27 4/25 4/25 4/28 4/28 4/25	43 67 94 12 34 42 2 40	17.0 29.1 39.2 5.0 13.3 16.3 0.7 14.7	0.0 17.7 27.2 31.0 11.0 14.9 16.5 3.5 17.7	8.3 15.3 18.0 1.8 6.2 10.5 0.7 ^b 8.9

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bidg. - Room 4012 Soit Lake City, Utah 84138

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SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1984

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE TO WELL ABOVE AVERAGE

SNOW COVER ranges from 110% of average on the South Fork Sevier to 226% on the Lower Sevier. East Fork Sevier is now 161% and Beaver River 177%. Several snow courses set new May 1 water content records on the Lower Sevier-San Pitch area.

PRECIPITATION at mountain locations ranged from 72% of the April average at Mammoth-Cottonwood Creek to 305% at Kimberly Mine. A band of 2 to 3 times average precipitation occurred again in April from Beaver and Fillmore east past Salina.

SOIL MOISTURE is drier than average on the headwaters of the Sevier but wetter than average on the Beaver and Lower Sevier.

RESERVOIR STORAGE is above average in all reservoirs but Gunnison. Sevier River reservoirs are now 88% of usable capacity and 95% of last year at this time. Minersville only lacks 4,900 acre feet of being full.

STREAMFLOW FORECASTS range from 112% for the Sevier at Hatch to 921% for the Vermillion to Gunnison reach on the Lower Sevier. Other Sevier River forecasts are as follows: Circleville 144%, Kingston 159%, East Fork 200%, Clear Creek 185%, Sigurd to Gunnison 810%, Salina Creek 259%, and Sevier near Gunnison 512% of the May-July average. Ephriam Creek is forecast 337%, Pleasant Creek 306%, Salt Creek 225%, Chicken Creek 250%, Oak Creek 182% and Chalk Creek near Fillmore 616% of the May-July average.

Beaver River is forecast 257% at Beaver, North Creek 276% and Minersville Inflow 416% of average.

Peak flows on the Lower Sevier, Beaver, Chalk Creek, Chicken Creek, Salina Creek and the San Pitch tributaries are expected to be 2 to 4 times average again this season. Steps should be taken to protect property near stream channels.

TREAMFLOW FORECASTS		THIS YEA			ECORD	SUMMARY OF SHOW MEASUREMENTS ICOMPARISON WITH	PREVIOUS YEARS!		A PERCENT OF
BASIN, STREAM and/or FORECAST POINT	Theusand Acre Feet	Parcent of	PORECAST PERIOD	Last Year 3	Average 4	RIVER BASIN and a SUB-WATERSHED	Courses Awaraged	Last Yan	A-orașe
SEVIER RIVER	ACTO POST			۷.		UPPER SEVIER RIVER			
Sevier at Hatch	47	112	May-July	129	42	East Fork Sevier	3	75	161
Sevier nr Circleville	44	144	May-July		30	South Fork Sevier	6	44	110
Sevier nr Kingston	35	159	May-July		22		1	i	
Antimony Crk nr Antimony	12.0	210	May-July		5.7	LOWER SEVIER	12	118	226
East Fork Sevier nr Kingstonl/		200	May-July		12.5				Į.
Sevier below Piute Dam	52	158	May-July		33	BEAVER RIVER	3	86	177
Clear Crk nr Sevier (abv Div)	30	185	May-July]	16.2			ľ	
Sigurd to Gunnison	170	810	May-July	297	16.6		1		
Kingston to Vermillion Dam	75	267	May-June		28		!]	
Vermillion Dam to Gunnison	175	921	May-June		19.0				
Salina Creek at Salina	28.5	259	May-June		10.8	1 - Observed flow corrected for			
Sevier nr Gunnison	215	512	May-July		41	2 - Inflow record as computed b	y U. Š. E	ureau of Re	dlamation
Chalk Creek nr Fillmore	81	616	May-July		13.2b	3 - Provisional flows - Subject	to Corre	ction	
Chicken Creek nr Levan	7.0	250	May-July	21	2.8 ^b	a - Partly estimated	1		
Oak Cr. nr Oak City	2.0	182	May-July	3.5	1.1 ^b	b - Average of all past record	less th	nan 20 years	
Ephraim Creek nr Ephraim	28	337	May-July		8.3	e - Maximum mean daily peak flo	rite.		
Pleasant Crk nr Mt. Pleasant	15.0	306	May-July		4.9	+ - 1961-80 20 year Average Per	od		
Salt Creek nr. Nephi	24	225	May-July		10.8	* - Forecast in cooperation wit	h Nationa	Neather S	ervice
Beaver nr Beaver	54	257	May-July	70	21				
North Creek (Combined)	35	276	May-July		12.7ª				1
Minersville Inflow	32	416	May-June		7.7		1	-	1
SERVOIR STORAGE (Thousand Acro Foot)						PEAK FLOWS ^e			

	PEAK	FIRW
	LPWW	FLUM

ESENTUR STURNE (THE			,		LEWY STOMP					
BASIN OB STREAM	RESERVOIR	U nathri o	ļ <u>V</u>	SEA BLE STORA	GE	PORECAST POINT	PEAR PLOW (SECO	ND FRETI		
WASIN OF STREAM	NEZENTOTA	Cagacity	This Year Last Year Average T		Average †	70720377001	Forecast Range	Aver ago		
SEVIER RIVER	Gunnison Otter Creek Piute Sevier Bridge Panguitch Lake	18.2 52.5 71.8 236.0 22.3	13.8 48.9 58.6 212.1 21.7	17.1 34.5 71.4 227.6 21.8	14.9 ^b 39.5 44.7 136	Beaver River nr Beaver Sevier River at Hatch Sevier River nr Kingston Clear Creek nr Sevier Salina Creek nr Salina	560-830 450-650 400-600 350-450 800-1000	257 484 312 226 285		
BEAVER RIVER	Minersville (Rky Fd)	26.0	21.1	23.5	14.6					

NOW		THIS YEAR		PAST	RECORD	SNOW		THIS YEAR		PANTI	RECORD
DRAINAGE BASIN and/or SNOW COURSE	Date	Sean Day &	Wester Cantoni	Water Cont	ant (inches)	DRAINAGE BASIN and at SNOW COURSE	Dene	Investment	Werer Cantent		ant (inches)
HAME	of Survey (Inches) (In		(Inches)	Inches) Lest Year Ave		NAME	of Survey	(Inchee)	(inches)	Lost Year	Average 1
									′		
8ig Flat	4/28	80	32.8	36.6	20.2	Long Valley Junction	4/27	0	0.0	0.0	.ob
Bryce Canyon	4/26	0	0.0	6.2	1	Merchants Valley Upper	4/28	45	18.0	20.7	7.6
Castle Valley	4/27	31	12.5	25.3	7.7	Midway Valley	4/27	54	19.4	47.2	23.7
Duck Creek	4/27	1	0.1	27.3	9.2	Oak Creek	4/28	55	21.9	26.9	7.5ª
Farnsworth Lake	4/24	97	39.8	31.3	22.1	Otter Lake	4/28	58	22.5	28.4	13.6
Gooseberry R.S.	4/24	58	25.4	16.6	9.4	Pickle Keg Springs	4/24	79	35.4	26.1	11.2
Harris Flat	4/27	0	0.0	11.3	2.9	Pine Creek	4/28	103	45.3	34.8	13.9
Kimberly Mine	4/28	78	33.0	28.3	16.2	Widtsoe-Escalante #3	4/27	24	8.2	21.4	10.1

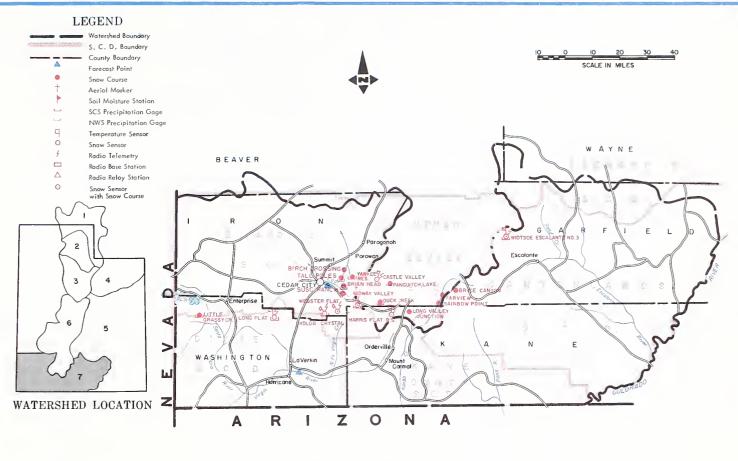
UNITED LIATED DEPARTMENT OF AGRICULTUPE SOIL CONSERVATION SERVICE Federal 8130. - 20 m 4112 of Lake City, Utah 41





EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MAY 1, 1984

THE WATER SUPPLY OUTLOOK IS NEAR ON COAL CREEK TO BELOW AVERAGE ON VIRGIN RIVER

SNOW COVER ranges from only 5% of the May 1 average in the Enterprise-New Harmony area to 145% on Parowan Creek. Coal Creek snow cover is 69% of average, Virgin River 73% and Escalante River 81% of the May 1 average. All areas are well below last year at this time.

PRECIPITATION at mountain stations ranged from 48% at Yankee Reservoir to 177% at Long Flat.

SOIL MOISTURE is near average to slightly below average.

RESERVOIR STORAGE in Enterprise Reservoirs is reported below average and beginning to draw down for irrigation. Lake Powell has been drawn down to make space for snow melt runoff and is 1,715,000 acre feet less than last year.

STREAMFLOW FORECASTS for the May-July period range from 61% of average on the Santa Clara to 178% for Lake Powell Inflow. Coal Creek is forecast 123% and Virgin River 81% of the May-June average.

Peak flows are not expected to be high in this area. Coal and Parowan Creeks may peak as high as 1 1/2 times average and other local streams are expected to peak below average this season.

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

TREAUFLOW FORECASTS	THIS VEAR			PAST RECORD		SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)						
BASIN, STREAM and/or PORECAST POINT	Thousand Acre Foor	Parent of	FORECAST PERIOD	THOUSAND	ACRE FEET	RIVER BASIN and at \$UB-WATERSHED	Number of Courtes Averaged	THIS YEAR AS	A PERCENT OF			
	Acre Feet	~~~	141.00									
VIRGIN RIVER						COAL CREEK	4	29	69			
Virgin nr Hurricane Santa Clara nr Pine Valley	25 2.5		May-June May-June		38	VIRGIN RIVER	4	34	73			
	2.0	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			PAROWAN CREEK	3	77	145			
COAL CREEK						ENTERPRISE - NEW HARMONY	2	1	5			
Coal Creek nr Cedar City	19.0	123	May-July	54	15.4	ESCALANTE RIVER	1	38	81			
UPPER COLORADO						Cooker Name All Cooker	-		-			
Lake Powell Inflow	11500.0	178	May-July	13400	6475	1 - Observed flow corrected for 2 - Inflow record as computed by 3 - Provisional flows - Subject a - Partly estimated b - Average of all past record e - Maximum mean daily peak flow + - 1961-80 20 year Average Per - Forecast in cooperation with	U.S.B to Corre less th	ureau of Rec ction an 20 years	lamation			

ESERVOIR STORAGE (The	esand Acre Feet)					PEAK FLOWS					
	T		U	SEABLE STORA	GE		PEAK FLOW (SECOND FEET)				
BASIN OR STREAM	RESERVOIR	U said o Capacity	This Year	Last Year	Average†	PORECAST POINT	Forecast Renge	Average †			
COLORADO	Lake Powell Blue Mesa	25002.0 829.5		22782.0 434.6		Coal Creek nr Cedar City Virgin nr Hurricane	300-400 650-1000	220 1092			

NOW		THE TEAR		PAST R	ECOAD	SNOW		THIS YEAR		PAST	RECOAD
DRAINAGE BASHI and/a SHOW COURSE	Dese	See Dept	Bose Content	Water Canti	ent (inches)	DRAINAGE BASIN and/or SHOW COURSE	Dote	Seem Day 6	Word Content	Water Cani	ent (Inches)
HAME	of Survey (Inches)		(Inches)	Last Year	Average †	ЭРАН	of Survey	(Inches)	(inches)	Less Tear	Average †
Birch Crossing Brian Head Harris Flat Kolob-Crystal Little Grassy Long Flat	4/30 4/27 4/27 4/27 4/27 4/27	14 72 0 42 0	4.6 29.1 0.0 15.6 0.0 0.1	9.2 34.4 11.3 46.0 0.0 13.1	2.1b 22.5b 2.9 22.3a .2b 1.8	Long Valley Junction SUSC Ranch Tall Poles Webster Flat Yankee Reservoir	4/27 4/30 4/30 4/27 4/27	0 0 45 29 39	0.0 0.0 17.5 10.1 14.2	0.0 ,15.8 22.0 38.2 19.3	.0b 3.2 13.6b 16.0 6.9

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federol Bidg. - Room 4012
Soli Loke City, Urbh 84138

OFFICIAL BUSINESS
PENALTY FOR PPIVATE USE, \$300

FIRST - CLASS MAIL POSTAGE AND FEES PAID USDA - SCS SALT LAKE CITY, UTAH PERMIT NO. G -267

SNOW		THIS YEAR			ECOAD	PRECIPI		(Inches)			******
DRAINAGE BASIN and/or SHOW COURSE	Date of Survey	Snow Death (Inches)	Waser Content (Inches)	Last Year	Average †	Done of	RENT INFORM	ATION +	FROM AF	PROX. OCT	Percent of
NAME	-			F481 4400	Average T	Reading	Precipitation				Average
GREAT BASIN	1							1			
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	4/28	12	4.2	4.2	2.4	4/24	1.97	2.66b	13.27	14.66 ^b	90
CCC Camp	4/26	37	13.2	11.8	9.0	1,21	1.57	2.00	13.27	14.00	30
Hayden Fork	4/28	46	18.2	18.2	16.2	4/28	2.33	4.08b	26.19	24.14b	108
Monte Cristo R.S.	4/24	69	29.8	27.8	26.8	4/24	3.96	5.22	33.15	31.17	106
Salt River Summit	4/26	46	15.8	15.2	14.5	4/26	2.80	2.53	21.51	19.76	108
Stillwater Camp Lily Lake	4/28 4/28	30 47	10.6 15.9	11.0 16.6	8.4	4/28 4/28	2.21	3.40	16.33	15.76	103
211y Zunc	17,20	7'	1 23.5	10.0		4/20	2.00		22.03		
LOWER BEAR RIVER											
(Below Harer, Idaho)				1		1			_		
Bug Lake	4/27	62	24.3	18.2	18.3ª	4/27	1.47		25.15ª		
Christensen Ranch Cliff Canyon			1								
Cub River R.S.	4/27	14	5.1	0.0	0.1						
Oaniels Creek	1, 2,	• •	3	0.0	0.1						
Ory Basin								[
Dry Creek Flat			1								
Emigrant Summit	4/30	81	33.4	30.2	23.6						
Emigration Canyon	4/30	22	9.2	20.0	00 78	4.07	2 62		44 04		
Franklin Basin Garden City Summit	4/27	79 57	33.6 20.8	30.2 18.5	20.7ª 17.4	4/27	3.63	2 10	41.31	22 22	117
Horseshoe Basin	4/2/	37	20.0	10.5	17.4	4/27	3.30	3.10	26.31	22.33	117
Klondike Narrows	4/27	50	23.0	20.2	15.6	4/27	2.55	3.75b	27.55	27.60b	99
Liberty Spring	.,					,, _,	2100	0.,0	27.00	27.00	, ,
Little Bear (lower)	4/24	18	7.9	3.3	1.5						
Little Bear (upper)	4/24	32	14.5	8.5	5.4	4/24	3.28		32.17		
Lower Elkhorn Oxford Mountain											i
Slug Creek Oivide	i i										
Steep Hollow #1	4/27	110	46.4	42.4	39.9	1					
Steep Hollow #2	4/27	71	31.7	30.4	24.0						
Strawberry Creek	4/30	26	12.2					l i			
Strawberry Mink Oivide											
Tony Grove Lake Tony Grove R.S.	4/27 4/27	98 27	42.8 11.3	35.4	35.1ª	4/27	0. 20		07.20		
Upper Elkhorn	4/2/	21	11.3	6.9	3.1	4/27	2.38		27.32		
Willow Flat	4/27	46	20.4	9.6	5.2	4/27	4.33	4.62b	34.36	27.51	124
Worm Creek	,					',-'	,,,,,	'''	34130	2,.31	124
000511 251152											
OGOEN RIVER Beaver Creek-Skunk Creek	4/24	26	11 6	10.1							
Ben Lomond Peak	4/24	26 150	11.5 70.7	10.1 52.1	6.1 38.2	4/24	7.63ª		70.86ª		
Ben Lomond Trail	4/24	49	24.5	17.3	8.1a	4/24	2.87	5.38b		34.12b	124
Causey Dam	4/24	o l	0.0			4/24	1.29	2.42b	18.43	16.64	110
Ory Bread Pond	4/24	52	25.1	20.4	18.2	4/24	2.68ª	4.20b	31.00	25.28b	122
Sagebrush Flat	4/24	0	0.0	0.8	0.0	4/24	0.97	2.48 ^b	16.19	16.83b	98
WEBER RIVER		- 1		-			ĺ			1	1
Beaver Creek R.S.	4/27	13	5.2	3.8	1.7						
Chalk Creek #1	4/27	73	29.0	29.0	24.4	4/27	4.94a		32.71ª		
Chalk Creek #2	4/27	47	17.9	17.2	14.2	4/27	3.31		21.63		
Chalk Creek #3	4/27	17	6.3	6.4	2.9	4/27	3.15	3.45b	21.90	17.39 ^b	125
East Shingle Lake (A)	5/7	99	38.6								
Farmington Canyon (lower) Farmington Canyon (upper)	4/24	83	36.5	35.5	22.8	4/24	4.95	6.29 ^b	40.68	33.92	119
Farmington G.S.	4/24 4/24	100 78	44.9 35.1	47.1 34.8	32.9	4/24 4/24	6.37ª 4.64	6.16 ^b	44.87	22 240	112
Hardscrabble	4/29	51	24.3	24.0		4/24	4.04	0.105	37.24ª	33.24	112
Horse Ridge	4/24	58	26.7	23.1	20.75	4/24	2.83	4.74b	34.28	28.38	120
Kilfoil Creek	4/24	41	16.6	13.6	10.6 ^b	i					
Lost Creek Reservoir	4/24	0	0.0	0.0	0.0	4/24	0.91		15.00		
Park City Summit Parley's Canyon Summit	1/26		25.5	,, ,	12.	4,00			22 51		
Pine Canyon	4/26 4/24	65 51	26.6 22.8	23.2	13.8	4/26	4.74	5.03	33.64	27.58	121
Redden Mine (lower)	4/27	59	23.4	22.3	17.8b	4/27	4.20		23.14		
Smith & Morehouse	4/27	37	14.1	13.5	9.1	4/27	3.15	4.26	23.97	22.01	108
Sargent Lake (A)	5/7	46	17.9			, =-					
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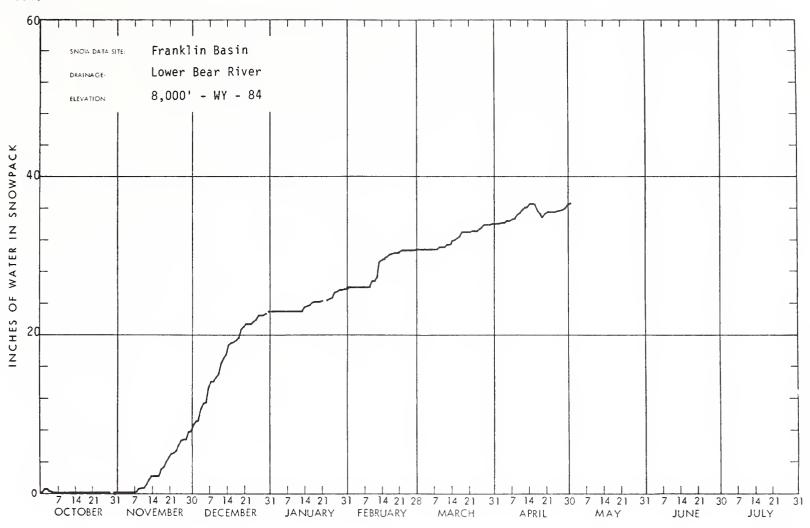
SNOW		THIS YEAR		PAST I	ECOAD	PRECIPI		(Inches)			
DRAINAGE BASIN and/or SNOW COURSE NAME	Dets of Survey	Snew Dooth (Inches)	Water Content (Inches)	Water Cent	Average †	Date of Reading	Menth's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN CONT.											
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide Clear Creek Ridge #1 Clear Creek Ridge #2 Clear Creek Ridge #3	4/27 4/28 4/28 4/28	26 64 46 2	10.9 27.1 18.6 0.9	10.9 24.1 15.9 0.0	3.02a 17.7 10.5 0.1	4/28 4/28	6.25 4.20	5.56a 3.31b	31.00 24.08ª	29.80a 19.37b	
Hobble Creek Summit Payson R.S. Soapstone R.S. South Fork R.S.	4/28 4/24 4/27	40 68 31	18.3 31.4 12.9	18.2 30.4 10.0 5.6	7.9 15.5 7.1	4/28 4/24 4/27	3.58 4.19 3.02	3.20 3.58 3.12	26.43ª 30.25 23.95	20.39 21.53 19.79	129 140 121
Timpanogos Divide Trial Lake	4/28 4/28	53a 67	22.1ª 31.7ª	35.9 31.4	22.6 26.1	4/28 4/28	3.50 ^a 4.03	4.30 4.89	31.04ª 32.28	29.39 28.39	105 113
JORDAN RIVER & GREAT SALT LAKE		ļ									
Alta Central Bevan's Cabin Deseret Peak Lamb's Canyon #2 Middle Canyon Mill Creek Mill D South Fork	5/2 4/30 4/30 4/26 4/30 4/25 4/27	151 68 106 55 75 73	63.3 26.9 43.3 21.9 29.7 28.1	44.2 20.4 23.0 27.4	4.8 27.0a 9.8a 9.3 21.1a	4/26 4/30	4.27 7.38	4.28b	25.06 36.73	20.20	181
Rocky Basin-Settlement Silver Lake (Brighton) Snow Bird (Gad Valley)	4/30 4/27 4/27	61 138 78 114	25.5 55.8 32.9 44.0	26.0 52.2 36.2	15.1 30.0 28.3 43.2a	4/30	7.72	5.36b	28.38	29.27	96
Vernon Creek	4/29	44a	17.6ª	21.5ª	4.3a	4/29	3.50ª	2.58 ^b	23.80ª	17.85	133
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A) Black's Fork G.SEast Fork Black's Fork Junction Buck Pasture (A)	5/7 4/28 4/28 5/7	67 39 35 70	20.1 12.7 11.8 23.1	12.3	9.7	4/28 4/28	2.43	3.35 3.08	19.19 17.32	15.29 14.70	125 117
Burnt Creek Grizzly Ridge Henrys Fork (A)	4/30 4/30 5/7	22 38 59	5.4 11.8 18.3	6.5 ^a 14.2	2.6a 9.3a	4/30 4/30	3.75 4.15	3.06 ^b 3.25 ^b	16.95 20.95	12.07b 16.69b	140 125
Hewinta G.S. Hickerson Park Hole-in-the-Rock	4/28 4/28		13.6 13.3 SCHEDULE		10.1 6.1b	4/28 4/28	3.15 3.34	3.59 3.56 ^b	20.15	16.15 12.97	124 118
Hole-in-the-Rock G.S. King's Cabin (upper) Middle Beaver Creek Reynolds Park (A)	4/28 5/7	36	SCHEDULE 12.2 SCHEDULE 19.8	13.5	10.2	4/28	1.88	2.95	18.47	14.58	126
Spirit Lake Steel Creek Park	4/28 4/28	58 69	18.2	23.3	15.6 ^b 18.5 ^b	4/28 4/28	4.00	4.94	21.85	18.55	117
Trout Creek	4/28	38	12.1	15.9	9.5ª	4/28	2.79		16.09		
DUCHESNE RIVER	5.17	4.5									
Atwood Lake (A) Brown Duck Ridge Chepeta Chepeta-Whiterocks (A)	5/7 4/28 4/28 5/7	47 74 51 62	15.0 24.6 16.2 19.8	30.8	20.6a	4/28 4/28	2.93		25.90 18.83		
Currant Creek Daniels-Strawberry Summit East Portal	4/28 4/28 4/30	12 39 27	4.5 16.5 10.2	10.6 19.1 15.0	2.5 ^b 9.6 4.9 ^b	4/28 4/28 4/30	1.93 1.95 2.85	2.41 ^b 3.28	17.77 23.33 25.93	16.20 21.09	109 110
Five Points Lake (A) Indian Canyon Jackson Park Lakefork Basin (A)	5/7 4/28 4/28 5/7	60 34 46 81	19.8 11.7 14.8 26.7	19.7 23.4	11.1 15.9a	4/28 4/28	2.16	2.68	17.01 22.52	15.46	110
Lakefork Mountain #1 Lakefork Mountain #3	4/28 4/28	38	12.6	15.9 7.6	12.1	4/28	2.22	3.08	17.22	15.70	109
Lightning Lake (A) Mosby Mountain Paradise Park Rock Creek Ranch Strawberry Divide	4/28 4/28 4/28 4/28 4/30	106 ^a 35 47 0 63	35.1 ^a 9.9 14.3 0.0 23.9	15.1 24.6 6.6 23.9	27.6a 10.5 14.8 1.3b	4/28 4/28 4/28 4/28 4/30	3.60 ^a 1.81 2.07 1.53 3.40 ^a	3.18 ^b 3.91 2.27	35.10 ^a 17.89 17.66 16.16 28.90 ^a	15.18 16.96 13.20	117 104 122

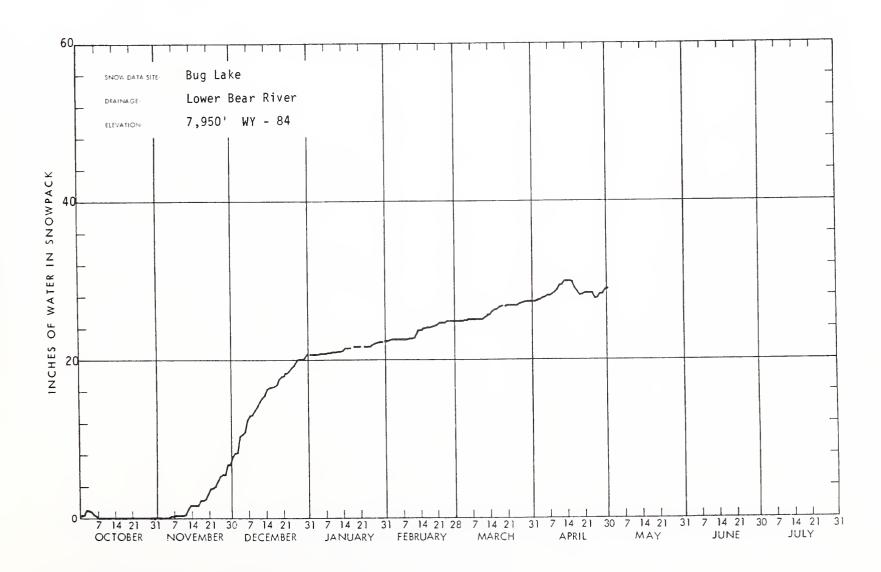
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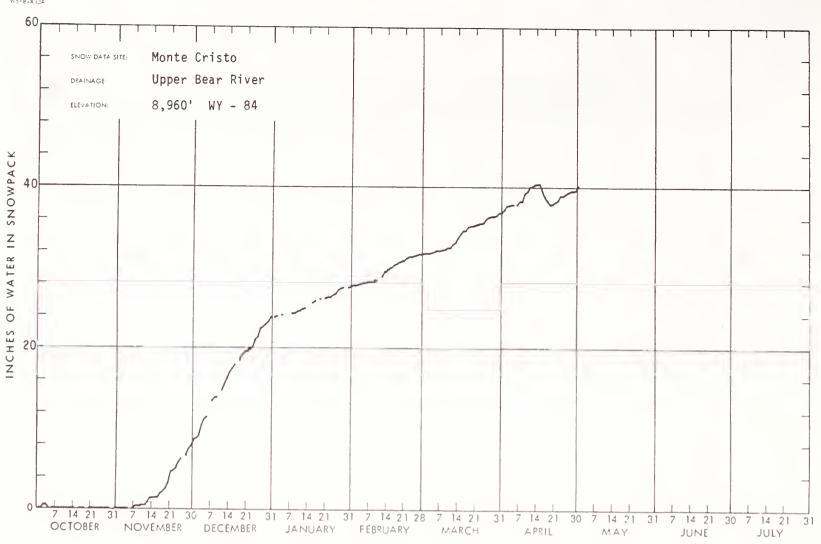
WONS		THIS YEAR		PAST I	ECORO	PRECIPITATION (Inches)								
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snew Depth (Inches)	Water Centent (Inches)	Last Year	Average †	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of			
PRICE RIVER		1	 		1	Kemani	- Action) 		Average			
Dry Valley Divide Alternate Mud Creek White River #1 White River #3	4/28 4/25 4/28 4/28	32 43 42 2	12.3 17.0 16.3 0.7	14.0 17.7 16.5 3.5	8.3 10.5 0.7 ^b	4/25 4/28	3.73	2.96 2.14	24.71 22.20	17.21 16.06	143 138			
SAN RAFAEL RIVER				<u>.</u>										
Buck Flat Huntington-Horseshoe Orange Olsen Red Pine Ridge Seeley Creek R.S. Stuart R.S. Upper Joe's Valley Wrigley Creek	4/25 4/25 4/25 4/25 4/27 4/25 4/25 4/25	70 91 0 67 94 12 34	30.2 40.6 0.0 29.1 39.2 5.0 13.3 14.7	29.6 45.0 0.0 27.2 31.0 11.0 14.9	16.6 26.5a 0.0a 15.3 18.0 1.8	4/25 4/25 4/25 4/25	3.77 1.88 5.00 ^a 2.81	3.24 1.13 ^b 3.60 2.15	30.95 13.83 26.78 19.87	20.45 8.53 23.39 13.77	151 162 114 144			
MUDDY RIVER	4/23	40	14.7	17.7	8.9									
Black's Fork Dill's Camp	4/24 4/24	50 45	20.8	23.0 19.4	11.9	4/24	3.26		25.44					
FREMONT RIVER Black's Flat-U.M. Creek	4/24	44	16.0	16.0		4 /04								
Donkey Reservoir Fish Lake Johnson Valley	4/24 4/24 4/24	44 NOT 55 36	16.9 SCHEDULE 23.5 13.9	16.9 D 15.8 11.9	9.1 4.8 4.2	4/24	3.79 2.76	2.65	22.71	14.75	153 205			
SOUTHEASTERN UTAH DRAINAGES	7/27	30	13.3	11.9	4.2									
Buckboard Flat Camp Jackson LaSal Mountain (lower) LaSal Mountain (upper) Monticello City Park	4/27 4/27 4/26 4/26	28 18 43 72	9.1 . 6.0 12.8 21.2	19.2 20.8 17.4 29.2 0.0	8.4 7.3 4.9 14.2	4/27 4/27 4/26	3.55 3.05 5.55	2.75 2.42 2.99	22.47 18.38 29.01	20.89 19.20 17.17	107 95 168			
UPPER SEVIER RIVER (South of Richfield, Utah)														
Box Creek Bryce Canyon Castle Valley Duck Creek R.S Harris Flat Kimberly Mine Midway Valley Panguitch Lake Squaw Springs	4/24 4/26 4/27 4/27 4/27 4/28 4/27 4/27 4/24	59 0 31 1 0 78 54 4 27	23.9 0.0 12.5 0.1 0.0 33.0 19.4 1.5	24.0 6.2 25.3 27.3 11.3 28.3 47.2 12.4 12.8	12.5 0.8a 7.7 9.2 2.9 16.2 23.7 1.0 4.4	4/24 4/27 4/27 4/27 4/27 4/27 4/27	5.95 5.46 2.87 0.88 ^a 13.58 5.00 ^a 2.70	2.99 3.24 3.11 4.44b 1.50	26.58 24.55 18.67 8.95 ^a 39.53 24.03 ^a 12.54	16.88 17.13 19.64 22.61 9.39	157 143 95 174 133			
LOWER SEVIER RIVER (Including San Pitch River)														
Beaver Dams Farnsworth Lake G.B.R.C. Headquarters G.B.R.C. Majors G.B.R.C. Meadows G.B.R.C. Oaks	4/25 4/24 4/24 4/25	48 97 82 109	21.4 39.8 34.8 48.0	16.6 31.3 28.1 40.4	7.7 22.1 16.7 25.9	4/25 4/24 4/24 4/25	4.14 8.75 5.56 7.67	3.27 4.69 4.26 2.15 ^b 5.17 3.01	31.06 37.92 ^a 35.38 40.52	16.34 24.25 22.55 10.66 26.84 14.88	190 156 156 150			
Gooseberry Reservoir Gooseberry R.S. Mammoth-Cottonwood Creek Middle Fork	4/24 4/25	58 73	25.4 32.6	16.6 35.2	9.4 19.9	4/25 4/24 4/25	3.58 6.17 2.63 ^a	3.60 3.01 3.61	32.38 28.78 32.10 ^a	21.71 14.88 16.52	149 193 194			
Mt. Baldy R.S. Oak Creek Pickle Keg Springs Pine Creek Ree's Flat Shingle Mill Thistle Flat	4/25 4/28 4/24 4/28 4/24 4/30	98 55 79 103 52 53	41.8 21.9 35.4 45.3 22.0 22.4	41.0 26.9 26.1 34.8 23.5 9.6	25.2 ^b 7.5 ^a 16.1 ^a 13.9 10.8 2.5 ^b	4/25 4/28 4/24 4/28 4/24 4/30	7.35 4.57 7.75 ^a 12.60 ^a 2.28 9.50	3.93 3.83 5.88 3.87 ^b	32.54 28.50 39.81 ^a 53.04 ^a 26.48 37.45	20.83 19.79 29.35 19.55 ^b	156 144 180 191			
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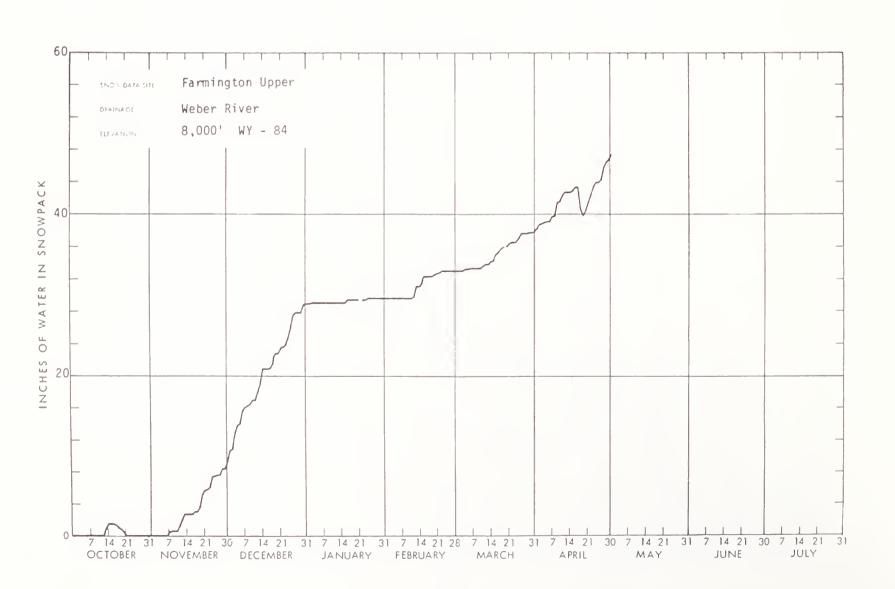
SNOW	("	THIS YEAR		PAST I	ECORD	PRECIPI		(Inches)			
DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snew Depth (Inches)	Waser Content (Inches)	Water Cent	Average †	Date of Reading	RENT INFORM Menth's Precipitation	ATION +	FROM AI	PROX. DCT I	Percent of Average
BEAVER RIVER							- recipitation	I			~~~~
Beaver Canyon Power House Beaver Race Track Big Flat Merchant's Valley (upper) Otter Lake	4/28 4/28 4/28	80 45 58	32.8 18.0 22.5	36.6 20.7 28.4	20.2 7.6 13.6	4/28 4/28	6.22 5.68	3.47 2.96b	30.02 26.25	19.00 17.21	158 152
PAROWAN CREEK											
Birch Crossing Brian Head Tall Poles Yankee Reservoir	4/30 4/27 4/30 4/27	14 72 45 39	4.6 29.1 17.5 14.2	9.2 34.4 22.0 19.3	2.1 ^b 22.5 ^b 13.6 ^b 6.9	4/30 4/27	5.13 1.45	3.48 ^b 3.01	23.63 15.85	18.37 ^b 15.14	128 104
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek Long Flat	4/27 4/27	0	0.0	0.0	0.2 ^b	4/27 4/27	2.38	1.80	13.97	16.29 13.90	85 80
COAL CREEK											
Cedar City Golf Course SUSC Ranch	4/30 4/30	0	0.0	0.0	0.0 ^b 3.2						
ESCALANTE RIVER											
Widtsoe-Escalante #3	4/27	24	8.2	21.4	10.1	4/27	4.43	3.14	17.65	15.21	116
VIRGIN RIVER							_				
Kolob-Crystal Long Valley Junction Webster Flat	4/27 4/27 4/27	42 0 29	15.6 0.0 10.1	46.0 0.0 38.2	22.3ª 0.0b 16.0	4/27	4.63 ^a 6.47	3.81	25.95 ^a 24.91	23.08	107
a - Partly Estimated b - Average of past record i + - 1963-77 15 year average (A) - Aerial Marker Reading	n average period	e period	- less	than 15 y	ears						
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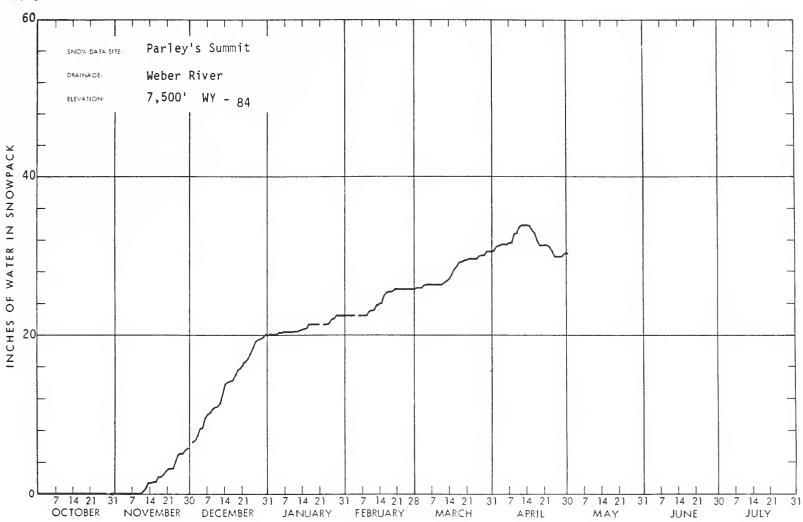
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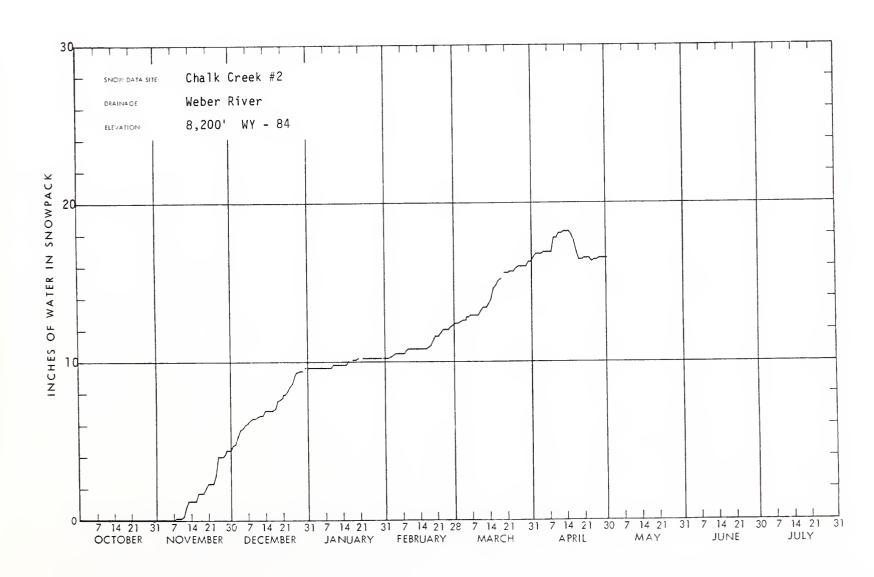


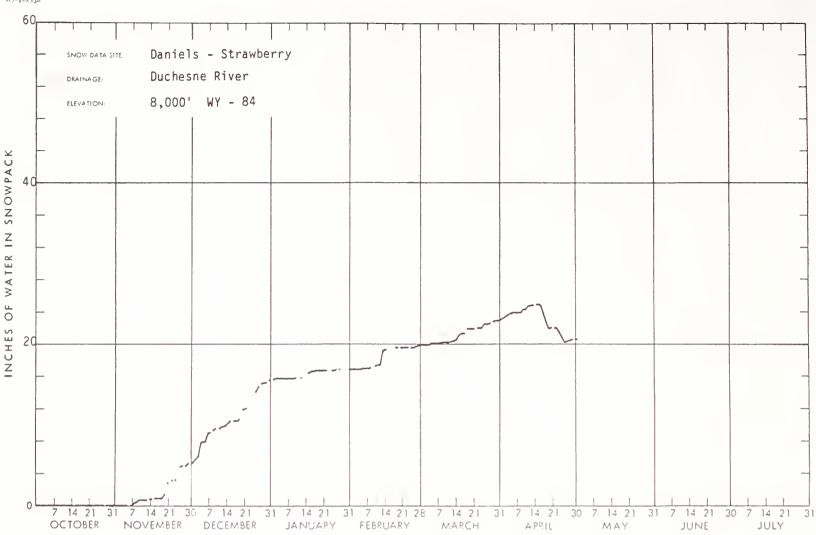


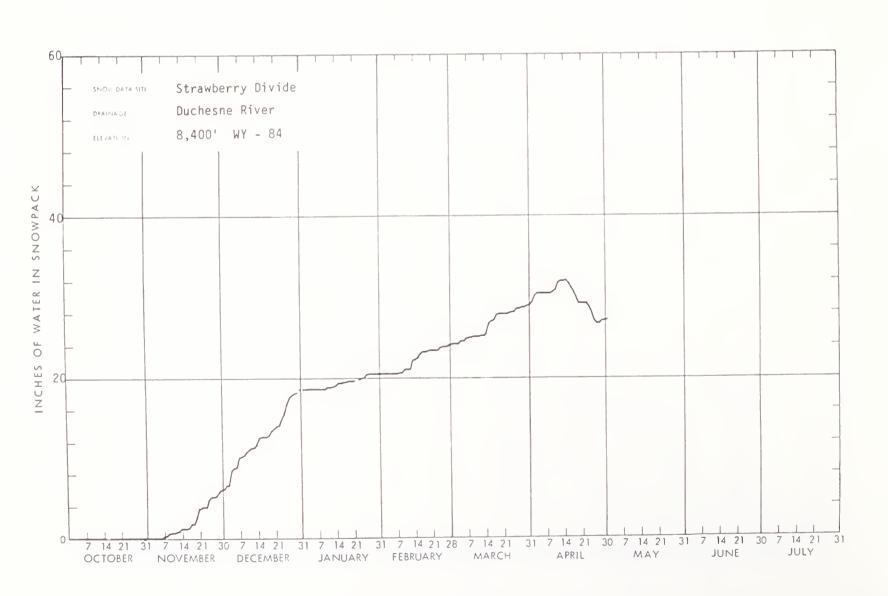


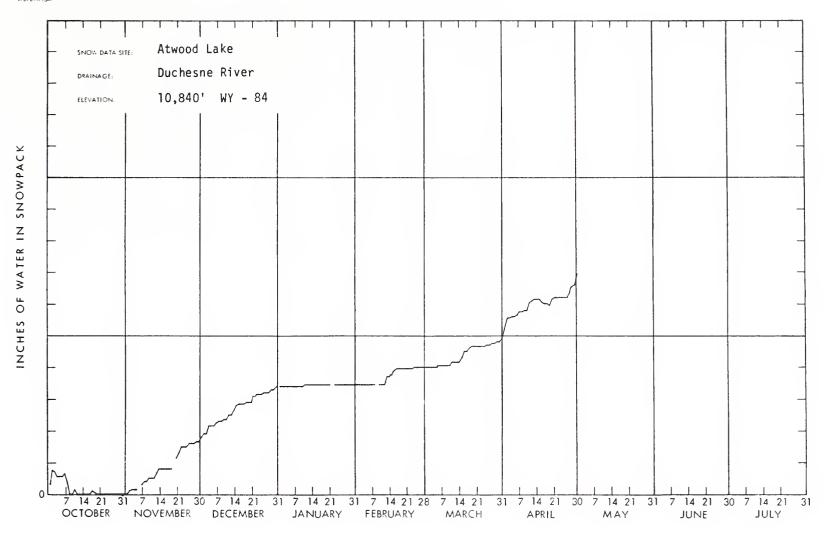


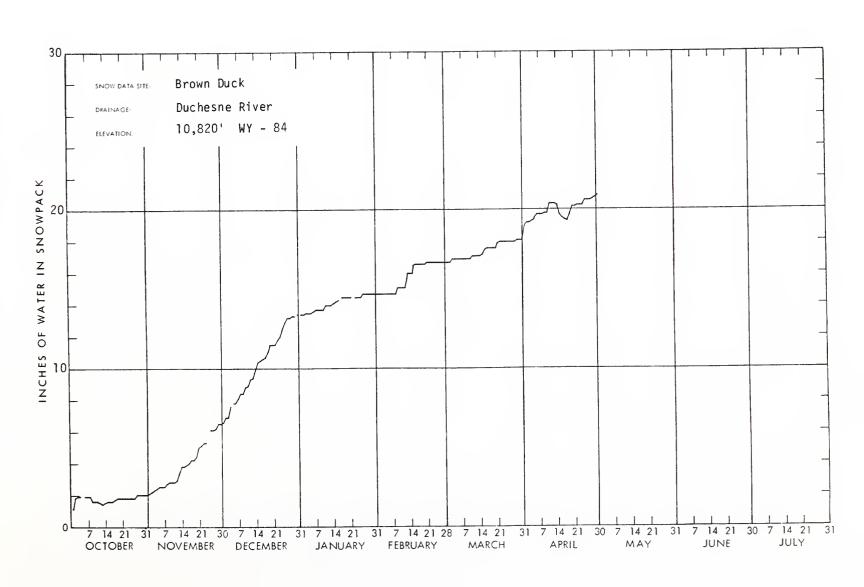


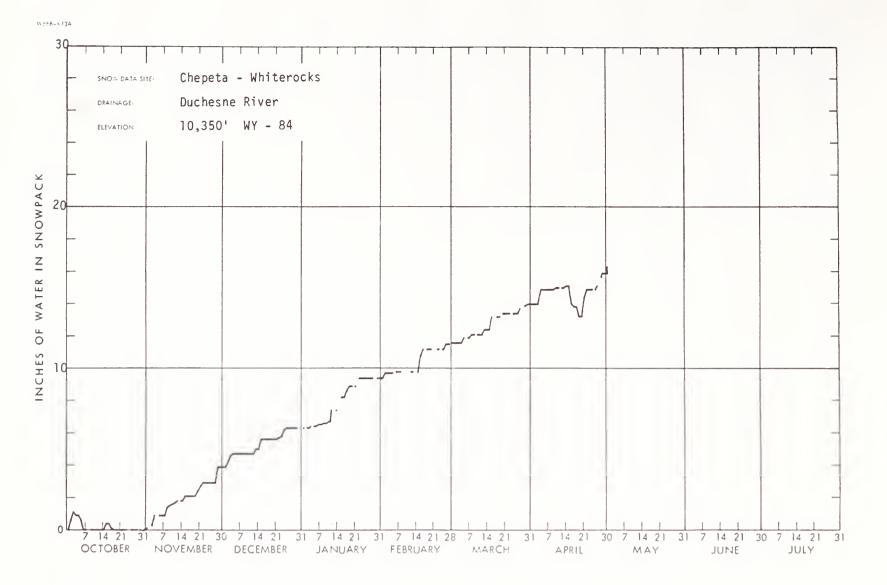


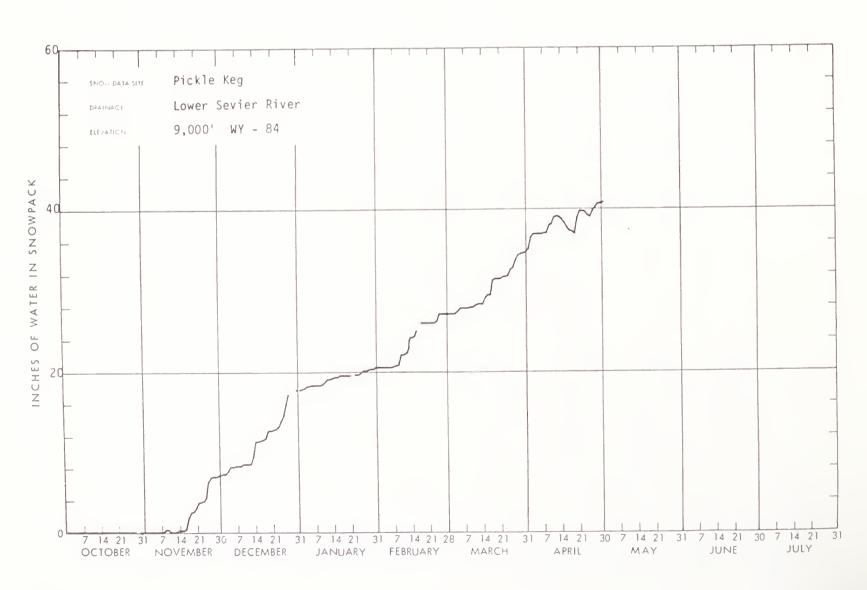


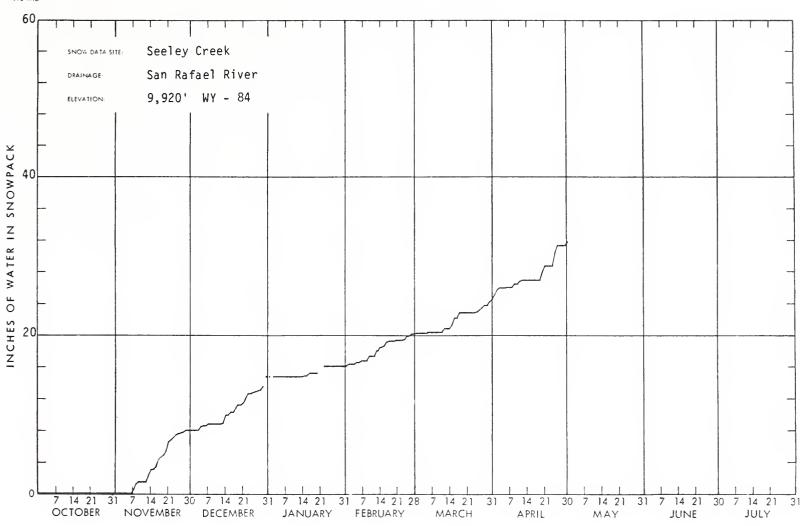


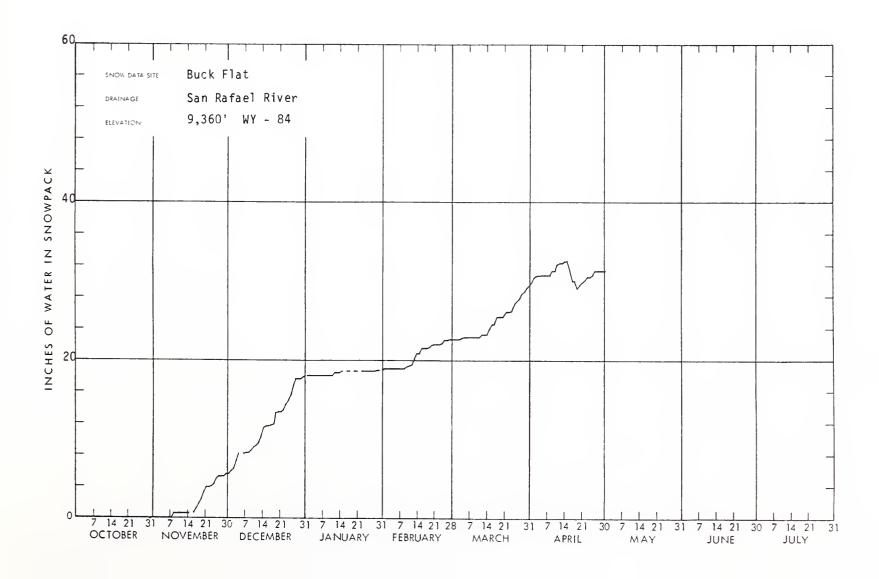


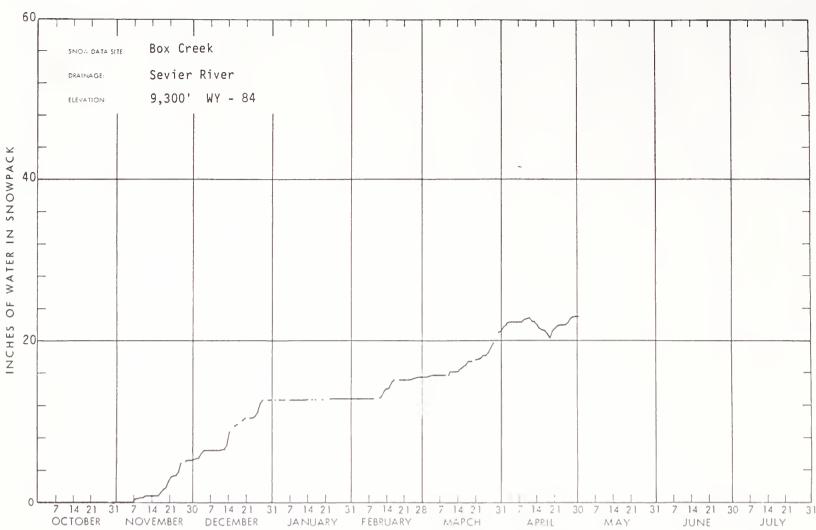


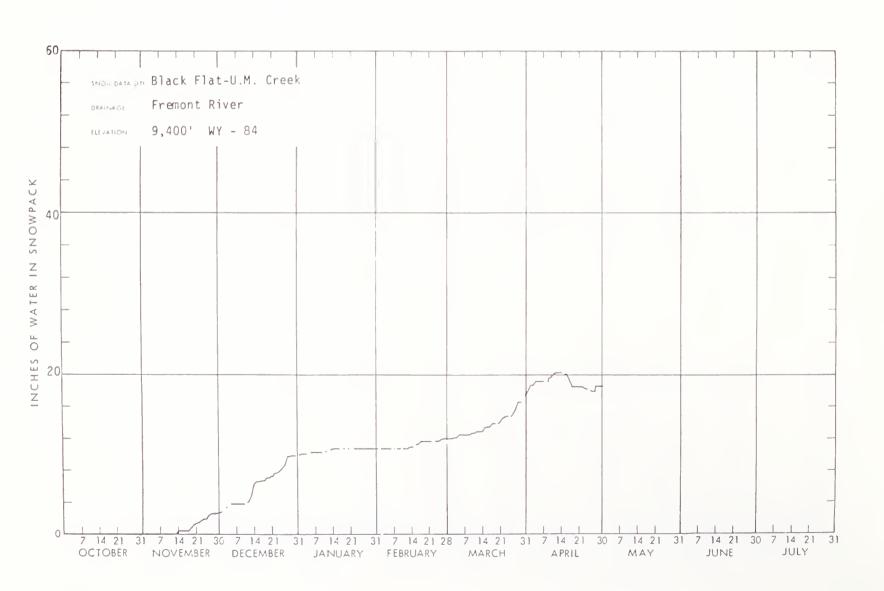


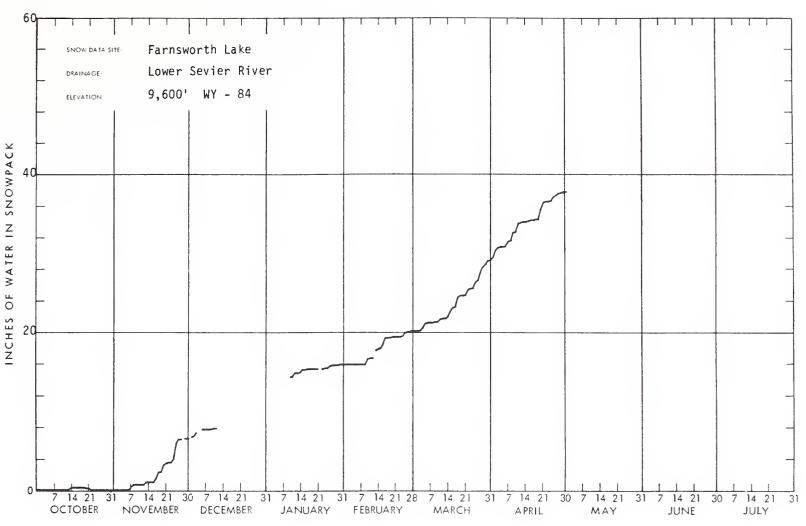


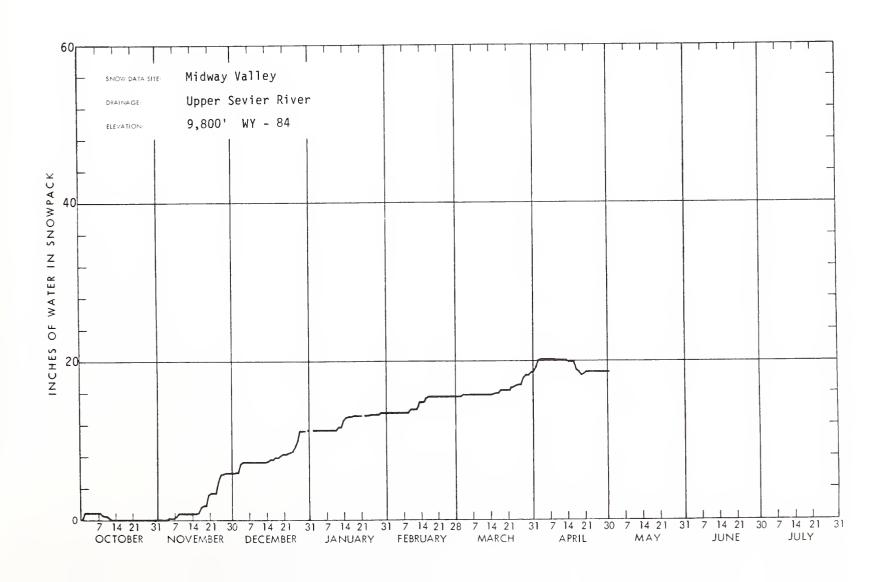




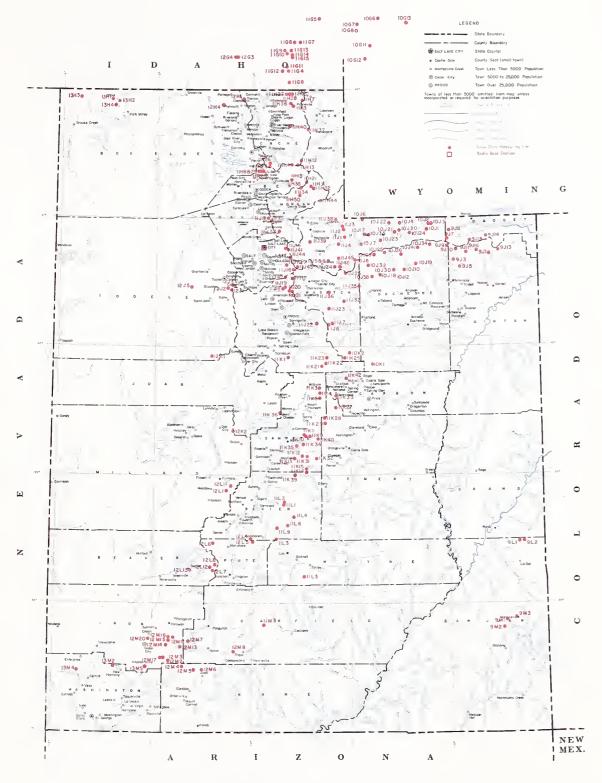














SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1983 0 20 40

USGS Notional Asias I:1,000,000 Albers Equal-Area projection (1967 I used as source for base map and adopted for SCS use .

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

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Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture Soil Conservation Service Forest Service
- U. S. Department of Commerce NOAA, National Weather Service
- U. S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service

STATE AGENCIES

Utah State University
Utah State Department of Natural Resources
 Division of Wildlife Resources
 Division of Water Resources
 Division of Water Rights
 Bear River Commissioner
 Price River Commissioner
 Provo River Commissioner
 Sevier River Commissioners
 Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

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